THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
OFFICE OF THE GENERAL COUNSEL

1111 Franklin Street, 8th Floor • Oakland, California 94607-5200 • (510) 987-9800 • FAX (510) 987-9757

Charles F. Robinson
VICE PRESIDENT AND GENERAL COUNSEL

Writer's direct line: (510) 987-9737
E-mail: anthony.garvin@ucop.edu

January 8, 2010

Craig Whitenack, Civil Investigator
United States Environmental Protection Agency
Region IX, Southern California Field Office
600 Wilshire Avenue, Suite 1420
Los Angeles, California 90017

Re: **Yosemite Creek Superfund Site, San Francisco, CA**
Response to 104(e) Information Request

Dear Mr. Whitenack:

This letter responds to the October 15, 2009 request for information ("RFI") of the United States Environmental Protection Agency ("EPA") to the President of the University of California ("UC") with regard to the Yosemite Creek Superfund site (the "Site"). Subject to both the general and specific objections noted below, and without waiving these or other available objections or privileges, UC submits the following in response to the RFI and in accordance with the January 11, 2010, due date that EPA has established for this response.

In responding to the RFI, UC on behalf of UC San Francisco ("UCSF") and UC Berkeley ("UCB"), has undertaken a diligent and good faith search for, and review of, documents and information in its possession, custody or control and that are relevant to this matter. However, the RFI purports to seek a great deal of information that is not relevant to the Site or alleged contamination at the Site. For example, while we understand the basis of the purported connection between UCSF and UCB and the former Bay Area Drum State Superfund Site at 1212 Thomas Avenue in San Francisco, California (the "BAD Site"), certain RFI questions seek information regarding facilities other than the BAD Site, including *all* facilities in California and *all* facilities outside California that shipped drums or other containers to *any* location in the entire state of California. These other facilities throughout California and the United States have no nexus to the Site. Because such questions are not relevant to the Site, they are beyond the scope of EPA's authority as set forth in Section 104(e)(2)(A) of the Comprehensive

Environmental Response, Compensation and Liability Act ("CERCLA") because EPA's authority to request information is limited to information which is "relevant to . . . [t]he identification, nature, and quantity of materials which have been . . . transported to a . . . facility."

The RFI also defined "COCs" as "any of the contaminants of concern at the Site and includes: lead, zinc, mercury, dichlorodiphenyltrichloroethane ("DDT"), chlordane, dieldrin, and polychlorinated biphenyls ("PCBs")." However, certain RFI requests also seek information regarding hazardous substances more broadly. These requests go beyond the specific chemicals for which EPA purports to have evidence of a release or threatened release to the environment at the Site and are not relevant to the Site pursuant to Section 104(e)(2)(A) of CERCLA; thus UC has limited its review of documents and information to the COCs identified by EPA.

As you know, the California Department of Toxic Substances Control ("DTSC") conducted an extensive investigation of the BAD Site and UC's operations in connection with it. DTSC's investigation included an information request to UC and the DTSC files include UC's Response to DTSC's information request, among other documents. We understand that EPA is already in possession of DTSC's files regarding the BAD Site, and to the extent that EPA is not in possession of these files, they are readily available to EPA.

GENERAL OBJECTIONS

UC asserts the following general privileges, protections and objections with respect to the RFI and each information request therein.

1. UC asserts all privileges and protections it has in regard to the documents and other information sought by EPA, including the attorney-client privilege, the attorney work product doctrine, all privileges and protections related to materials generated in anticipation of litigation, the settlement communication protection, the confidential business information ("CBI") and trade secret protections, and any other privilege or protection available to it under law. In the event that a privileged or protected document has been inadvertently included among the documents produced in response to the RFI, UC asks that any such document be returned to UC immediately and here states for the record that it is not thereby waiving any available privilege or protection as to any such document.

2. In the event that a document containing CBI or trade secrets has been inadvertently included among the numerous documents provided in response to the RFI, UC asks that any such documents be returned to UC immediately so that UC may resubmit the document in accordance with the applicable requirements for the submission of Confidential Information.

3. UC objects to any requirement to produce documents or information already in the possession of a government agency, including but not limited to DTSC, or already in the public domain. As noted above, DTSC conducted an extensive investigation of the BAD Site and UC's operations in connection with it. DTSC's investigation included an information request to UC

and the DTSC files include UC's Response to DTSC's information request. EPA is already in possession of DTSC's files regarding the BAD Site, and to the extent that EPA is not in possession of these files, they are readily available to EPA. Notwithstanding this objection, and without waiving it, UC may produce certain information or documents in its possession, custody, or control that it previously provided to or obtained from government agencies that contain information responsive to the RFI.

4. UC objects to Instruction 4 to the extent it seeks to require UC, if information responsive to the RFI is not in its possession, custody, or control, to identify any and all persons from whom such information "may be obtained." UC is aware of no obligation that it has under Section 104(e) of CERCLA to identify all other persons who may have information responsive to EPA information requests and is not otherwise in a position to identify all such persons who may have such information.

5. UC objects to Instruction 5 on the ground that EPA has no authority to impose a continuing obligation on UC to supplement these responses. UC will, of course, comply with any lawful future requests that are within EPA's authority.

6. UC objects to Instruction 6 in that it purports to require UC to seek and collect information and documents in the possession, custody or control of individuals not within the custody or control of UC. EPA lacks the authority to require UC to seek information not in its possession, custody or control.

7. UC objects to the RFI's definition of "document" or "documents" in Definition 3 to the extent it extends to documents not in UC's possession, custody, or control. UC disclaims any responsibility to search for, locate, and provide EPA copies of any documents "known by [Respondent] to exist" but not in [Respondent's] possession, custody, or control.

8. UC objects to the RFI's definition of "Facility" or "Facilities" in Definition 4 because the terms are overbroad to the extent that they extend to facilities with no connection to either the Site or the BAD Site. Moreover, the term "Facilities" as defined in the RFI is confusing and unintelligible as the term is defined as having separate meanings in Definition 4 and Request No. 3.

9. UC objects to the definition of "identify" in Definition 7 to the extent that the definition encompasses home addresses of natural persons. Subject to this objection, current UC employees and any other natural persons are identified by name and corporate address. UC requests that any contacts with UC employees identified in these responses or the related documents be initiated through UC's Senior Counsel, Anthony Garvin.

10. UC objects to the definition of "you," "Respondent," "the company" and "your company" in Definition 14 because the terms are overbroad and it is not possible for UC to answer questions on behalf of all the persons and entities identified therein. Notwithstanding this objection, and without waiving it, UC has undertaken a diligent and good faith effort to locate

and furnish documents and information in its possession, custody, and control that are responsive to the RFI.

11. UC objects to EPA's requests that UC provide EPA separately information that is contained in documents being furnished by UC in response to the RFI. Where documents have been provided in connection with a response, information sought by EPA in the corresponding request for information that is set forth in those documents is not furnished separately. To do otherwise would be unduly burdensome.

RESPONSES TO OCTOBER 15, 2009 EPA INFORMATION REQUESTS

1. *Describe generally the nature of the business conducted by Respondent and identify the products manufactured, formulated, or prepared by Respondent throughout its history of operations.*

RESPONSE:

In addition to the General Objections set forth above, UC objects to this request as overbroad in scope, unauthorized by law to the extent it is overbroad, and unduly burdensome. In addition, UC does not manufacture, formulate or prepare any products.

UCSF:

The University of California, San Francisco (UCSF) is educational, research and medical center and not a product manufacturer. The university's hazardous waste is primarily generated by patient care, academic and facility maintenance operations. UCSF has currently 1,300 principal investigators and more than 3,000 ongoing biomedical research projects from all four professional schools (Dentistry, Medicine, Nursing and Pharmacy) and the Graduate Division.

UC BERKELEY:

The University of California, Berkeley (UCB) is a public education and research enterprise and not a product manufacturer. The university's hazardous waste is primarily generated by academic and facility maintenance operations. UCB has more than 2,000 faculty members in 80 interdisciplinary research units in 130 academic departments.

2. *Provide the name (or other identifier) and address of any facilities where Respondent carried out operations between 1940 and 1988 (the "Relevant Time Period") and that:*

   a. *ever shipped drums or other containers to the BAD Site for recycling, cleaning, reuse, disposal, or sale.*

b. *are/were located in California (excluding locations where ONLY clerical/office work was performed)*;

c. *are/were located outside of California and shipped any drums or other containers to California for recycling, cleaning, reuse, disposal, or sale (for drums and containers that were shipped to California for sale, include in your response only transactions where the drums and containers themselves were an object of the sale, not transactions where the sole object of the sale was useful product contained in a drum or other container).*

RESPONSE:

In addition to the General Objections set forth above, UC objects to this request as overbroad in scope, unauthorized by law to the extent it is overbroad, and unduly burdensome. As stated in the RFI, "EPA is seeking to identify parties that have or may have contributed to contamination at the Site." However, in addition to facilities with a connection to the BAD Site, Request No. 2 purports to also seek information regarding *any* facility located in California (excluding locations where ONLY clerical/office work was performed) and *any* facility located outside of California that shipped drums or other containers to *any* location in California, even to locations other than the BAD Site. These other facilities have no nexus with the BAD Site, and thus this request seeks information that is not relevant to the Site.

Notwithstanding the foregoing, and without any waiver of its objections, UC is providing EPA with information and documents that contain information related to UCSF and UCB that shipped drums or other containers to the BAD Site.

In addition, UC has reviewed the files and records of the UC Davis, UC Santa Cruz campuses, the Bay Area Research Extension Center and the Hopland Research Extension Center to determine whether any of these facilities sent drums to BAD. This review did not identify any correspondence, documents or other evidence linking these facilities to the BAD site.

UCSF:

Response to 2.a.: Yes. Empty waste oil drums from UCSF's Heating Plant were shipped to the BAD site.

Response to 2.b.: Operations were carried out at 505 Parnassus Avenue, San Francisco, CA 94143.

Response to 2.c.: No facilities are located outside of California which shipped any drums or materials to BAD.

UC BERKELEY:

Response to 2.a.: Yes, UC Berkeley sold a few empty drums or containers to BAD. Although UC Berkeley no longer has any record of these shipments, copies of purchase orders and ledgers of BAD and Waymire were obtained during the DTSC investigation of the BAD site. Copies of these documents are attached.

Response to 2.b.: UC Berkeley maintains a list of current and expired EPA Identification numbers. The addresses and corresponding EPA ID numbers for sites in California are attached as Exhibit 1.

Response to 2.c.: None.

ANR:

Three ANR facilities are located within 100 miles of San Francisco that operated during the period between 1940 and 1988. They are the Bay Area Research and Extension Center (BAREC) in Santa Clara (now closed), the Hopland Research and Extension Center (HREC) in Mendocino County, and the Elkus Ranch in Half Moon Bay.

BAREC (also formerly known as the Deciduous Fruit Field Station) was operated by the University from 1928 to 2002 for research in agriculture and horticulture. ANR researched the available records from BAREC for manifests or other purchasing records and found no indication that any drums were sent to the Bay Area Drum (or any of its aliases). ANR also searched for records about purchase of chemicals or oil in quantities that would have resulted in empty drums and did not find any such purchases. The records that were available were from 1999 until the closure of the BAREC facility in 2002. While there were no records available for the period of interest, based on site operations, it was rare that drum-sized quantities of chemicals, pesticides, or oil were used at BAREC. A chemical inventory from 1992 listed as a single 50-gallon drum of petroleum solvent, all other chemicals, such as oils, lubricants, pesticides were in smaller quantities, such as 5-gallon buckets, or were dry fertilizers stored in bags or fiberboard drums. Pesticide use records indicate that pesticides were used in quantities of quarts, pints, and ounces, not gallons. Based on this information, BAREC might have generated about one empty drum per year.

HREC (also known as the Hopland Field Station) was purchased by the University in 1951 to use as a site for long-term, controlled research on native rangelands, watersheds, and wildlife. At HREC, they only have purchasing records for the past 5-7 years. In that period, HREC has generated only about 5 empty drums, from oil for vehicle maintenance, and those drums were taken by the local fuel and oil vendor for recycling. Based on interviews with staff at HREC, in the past HREC generated 1-2 empty drums per year, which were either reused onsite or returned to the local vendor. It would not have been practice to send empty drums to a reconditioning facility in San Francisco.

The Elkus Ranch was donated to the University in 1975 and is an environmental education center providing unique hands-on learning experiences for Greater San Francisco Bay Area youth. Elkus does not maintain any chemicals or materials in drum-sized quantities and, therefore, does not (and has not) generated any empty drums for disposal or recycling.

UC also reviewed our archived records for hazardous waste manifests from any of the ANR REC locations, but only has manifest records from 1992 forward.

3. *Provide a brief description of the nature of Respondent's operations at each Facility identified in your response to Question 2 (the "Facilities") including:*

a. *the date such operations commenced and concluded; and*

b. *the types of work performed at each location over time, including but not limited to the industrial, chemical, or institutional processes undertaken at each location.*

RESPONSE:

In addition to the General Objections set forth above, UC objects to this request as overbroad in scope, unauthorized by law to the extent it is overbroad, and unduly burdensome. In particular, but without limiting the generality of the foregoing objection, UC objects to the request in (b.) that it describe "types of work performed at each location over time . . . ." Without an identification by EPA of the types of work it is referring to, it would be virtually impossible, given the broad nature of possible work at various facilities, to describe each and every type of work that was performed at any facility. To the extent that EPA seeks information about facilities that have no nexus with the BAD Site, this request is not relevant to the Site.

Notwithstanding the foregoing, and without any waiver of its objections, UC is providing EPA with certain information and documents that contain information related to UC's Facilities that shipped drums or other containers to the BAD Site.

UCSF:

Response to 3.a.: UCSF was founded in 1864 as Toland Medical School and moved to Parnassus Heights in 1917. Parnassus Heights is the oldest and largest, in both size and campus population of the sites that now constitute UCSF. UCSF operations at Parnassus Heights are still continuing.

Response to 3.b.: UCSF was built in 1897 on land originally contributed by Adolph Sutro. For 125 years, UCSF has been used exclusively for teaching, research and patient care services.

UC BERKELEY:

Response to 3.a.: UCB was founded in 1868.

Response to 3.b.: University of California, Berkeley (UCB) is a public education and research enterprise and not a product manufacturer. The university's hazardous waste is primarily generated at each facility by academic and facility maintenance operations. For 142 years, UCB has been used exclusively for teaching, research and public services

4. *For each Facility, describe the types of records regarding the storage, production, purchasing, and use of Substances of Interest ("SOI") during the Relevant Time Period that still exist and the periods of time covered by each type of record.*

RESPONSE:

In addition to the General Objections set forth above, UC objects to this request as overbroad in scope, unauthorized by law to the extent it is overbroad, and unduly burdensome to the extent it seeks to require UC to describe "types of records." Where documents have been provided in response to this RFI, each and every document regarding SOIs is not also "identified" by describing its contents. UC further objects to Request No. 4 as it purports to seek information relating to hazardous substances beyond the specific chemicals for which EPA purports to have evidence of a release or threatened release to the environment at the Site and that is not relevant to the Site; thus UC has limited its review of documents and information to the COCs identified by EPA.

Notwithstanding the foregoing, and without any waiver of its objections, UC is providing EPA with certain information and documents that contain information related to UC's Facilities that shipped drums or other containers to the BAD Site.

UCSF:

Records on storage, purchasing and use of SOIs during the Relevant Time Period no longer exists. Records are not kept beyond ten years. Their normal timeline is seven years after which the records are destroyed.

UC BERKELEY:

UCB maintains a chemical inventory database listing current SOIs in storage or use. Other records on storage, purchasing and use of SOIs during the Relevant Time Period no longer exist. UCB's record retention policy for all purchases including any of the SOIs is 5 years.

5. *Did Respondent ever (not just during the Relevant Time Period) produce, purchase, use, or store one of the COCs (including any substances or wastes containing the COCs) at any of the Facilities? State the factual basis for your response.*

RESPONSE:

In addition to the General Objections set forth above, UC objects to this request as overbroad in scope, unauthorized by law to the extent it is overbroad, and unduly burdensome. By removing any temporal limit and any nexus between COCs at UC's Facilities and the BAD Site, Request No. 5 purports to seek information relating to UC's Facilities that is not relevant to contamination at the Site. Notwithstanding the foregoing and without any waiver of its objections, UC is providing the EPA with certain information and documents that contain information related to facilities that shipped drums or other containers to the BAD site.

UCSF:

Yes. UCSF still purchases, uses, stores and disposes of but not produce three of the identified COCs. These COCs are used in research and medical center departments. UCSF's chemical inventory is the basis used to respond to Question 5.

UC BERKELEY:

Yes. UCB purchased, used, stored and disposed of some of the identified COCs. These COCs are/were used in research and teaching departments. UCB's chemical inventory and waste databases and Biennial Hazardous Waste reports are the basis used to respond.

6. *If the answer to Question 5 is yes, identify each COC produced, purchased, used, or stored at each Facility.*

RESPONSE:

UCSF:

The three COCs that UCSF purchased, used, or stored are lead, zinc, and mercury.

UC BERKELEY:

See Exhibit 2 for a current list of the types, quantities and locations of COCs in storage.

7. *If the answer to Question 5 is yes, identify the time period during which each COC was produced, purchased, used, or stored at each Facility.*

RESPONSE:

UCSF:

Lead, zinc and mercury were purchased, used and stored at UCSF since 1917. These COCs are still used at UCSF. 1917 was the year when Toland Medical School became UCSF.

UC BERKELEY:

The chemical inventory shows that some of these COCs are still used at UCB. 1868 was the year UCB was founded and chemistry was always offered as a curriculum. Our records do not indicate a start and end date for each different COC used and stored at UCB.

8. *If the answer to Question 5 is yes, identify the average annual quantity of each COC produced, purchased, used, or stored at each Facility.*

RESPONSE:

UCSF:

The average annual quantity of each COCs used and stored at UCSF laboratories is: Lead – 5 pounds; Zinc – 19.75 pounds and Mercury – 6.2 pounds.

UC BERKELEY:

UCB does not have records of average annual quantity of each COC produced, purchased, used or stored at each UCB facility, but Exhibit 2 identifies the current quantities at each UCB facility.

9. *If the answer to Question 5 is yes, identify the volume of each COC disposed by the Facility annually and describe the method and location of disposal.*

RESPONSE:

UCSF:

The volume of lead and zinc wastes disposed by UCSF annually is unknown at this time. The only available data is on the amount of mercury waste disposed which is about 43 lbs annually. Method of disposal is via a UCSF contracted hazardous waste vendor. The vendor ships the waste every other week to Burlington Environmental, LLC, Kent Facility, Kent, Washington.

UC BERKELEY:

Exhibit 3 shows the average annual quantity of each COC disposed of since 1992. Exhibit 3 was produced from UCB's chemical waste database where records go back to 1992. The annual average was calculated by dividing total waste disposed of since 1992 by the range of years in which the COC waste was generated. (For example, Exhibit 3 indicates that 4lbs of dieldrin waste was generated over a 2 year period, thus the average annual quantity is 2lbs/yr).

10. *Did Respondent ever (not just during the Relevant Time Period) produce, purchase, use, or store hydraulic oil or transformer oil at any of the Facilities? State the factual basis for your response to this question.*

RESPONSE:

In addition to the General Objections set forth above, UC objects to this request as overbroad in scope, unauthorized by law to the extent it is overbroad, and unduly burdensome. By removing any temporal limit and any nexus between hydraulic fuel or transformer oil at UC's Facilities and the BAD Site, Request No. 10 purports to seek information relating to UC's Facilities that is not relevant to contamination at the Site.

UCSF:

Yes, UCSF purchased, used and stored hydraulic and transformer oils for UCSF's former Heating and Generator Plant and the current Central Utilities Plant (CUP). UCSF's chemical inventory is the basis used to respond to the question.

UC BERKELEY:

Yes, UCB purchased used and stored hydraulic oils for teaching, research, and facility maintenance. We found no records indicating production, purchase, use or storage of transformer oils. UCB's chemical inventory is the basis used to respond to the question.

11. *If the answer to Question 10 is yes, identify each specific type of hydraulic oil and transformer oil produced, purchased, used, or stored at each Facility.*

RESPONSE:

UCSF:

Types of hydraulic oil purchased, used or stored at UCSF are: a) Chevron Hydraulic Oil AW46 and b) OSO150 Lubricating Oil.

UC BERKELEY:

We were unable to locate records of the types of hydraulic oil purchased, used or stored at UCB.

12. *If the answer to Question 10 is yes, identify the time period during which each type of hydraulic oil and transformer oil was produced, purchased, used, or stored.*

RESPONSE:

UCSF:

Periods are both the Relevant Time Period and 1988 to present (2009).

UC BERKELEY:

Exhibit 2 identifies that hydraulic oil is currently purchased, produced, used, or currently stored. We were unable to locate historical records regarding each type of hydraulic oil and transformer oil purchased, produced, used, or stored.

13. *If the answer to Question 10 is yes, identify the average annual quantity of each type hydraulic oil and transformer oil purchased, produced, used, or stored at each Facility.*

RESPONSE:

UCSF:

Hydraulic oil usage is estimated at about 60 gallons each per year. Transformer oil usage is estimated at approximately 5 gallons per year. Transformer oil is normally not replenished, but remains with the transformer for the life of the transformer.

UC BERKELEY:

While records of average annual quantity of each type of hydraulic oil and transformer oil purchased, produced, used, or stored at each Facility are unavailable, the current quantity of hydraulic and transformer oil at UCB sites is shown in Exhibit 2.

14. *If the answer to Question 10 is yes, identify the volume of each hydraulic oil and transformer oil disposed by the Facility annually and describe the method and location of disposal.*

RESPONSE:

UCSF:

Hydraulic and transformer oils are generated at about 55-gallon drums per year. University contracted hazardous chemical waste vendor collects the drums directly from CUP for recycling. These waste drums are manifested at CUP and transported to Burlington Environmental, LLC., Kent Facility, Kent, Washington.

UC BERKELEY:

Exhibit 3 shows the average annual quantities, the method, number of years generated, and the location of disposal of each hydraulic and transformer oil disposed of since 1992. The annual average was calculated by dividing total waste volume generated since 1992 by the number of years a specific waste was generated. For example, zinc waste was generated during only three years since 1992.

15. *Provide the following information for each SOI (SOIs include any substance or waste containing the SOI) identified in your responses to Questions 5 and 10*:

a. *Describe briefly the purpose for which each SOI was used at the Facility. If there was more than one use, describe each use and the time period for each use*;

b. *Identify the supplier(s) of the SOIs and the time period during which they supplied the SOIs, and provide copies of all contracts, service orders, shipping manifests, invoices, receipts, canceled checks and other documents pertaining to the procurement of the SOI*;

c. *State whether the SOIs were delivered to the Facility in bulk or in closed containers, and describe any changes in the method of delivery over time*;

d. *Describe how, where, when, and by whom the containers used to store the SOIs (or in which the SOIs were purchased) were cleaned, removed from the Facility, and/or disposed of, and describe any changes in cleaning, removal, or disposal practices over time.*

RESPONSE:

In addition to the General Objections set forth above, UC objects to this request as overbroad in scope, unauthorized by law to the extent it is overbroad, and unduly burdensome.

Request No. 15 purports to seek information relating to UC's Facilities that is not relevant to contamination at the Site.

UCSF:

Response to 15.a.: Lead, zinc and mercury are used in biomedical research and by medical center entities. Lead and zinc are used in clinical laboratory specimen analysis and biomedical research activities. Mercury is used in blood pressure cuffs. Hydraulic and transformer oils are used exclusively in CUP and building management operations.

Response to 15.b.: From the Relevant Time Period and up to the present, research, medical center clinical laboratories, CUP and building management facilities purchase SOIs directly from vendors such as Sigma Aldrich, VWR, and Chevron. These entities also utilized University systemwide contract for the purchase of these SOIs.

Response to 15.c.: All SOIs were purchased individually and in closed containers. Hydraulic and transformer oil are purchased in bulked and in closed containers.

Response to 15.d.: Containers which previously contained SOIs are never cleaned on-site or disposed as trash. These containers are picked up by the Office of Environmental Health & Safety, stored at the facility, and manifested for disposal as hazardous waste.

UC BERKELEY:

Response to 15.a.: Lead, zinc, mercury, chlordane, DDT, dieldrin, PCBs, and hydraulic and transformer oils have been used at UCB's teaching and research facilities and in facility maintenance since 1868. Lead and zinc are used in bioscience research activities. Lead is also used as ballast in earthquake research and as shielding for x-ray machines. Mercury is used in research involving chemistry, physics, engineering and other. DDT, dieldrin chlordane and PCBs are used in various toxicology research. Hydraulic and transformer oils are used in engineering and building management operations.

Response to 15.b.: From the Relevant Time Period and up to the present, research and teaching laboratories, and building management facilities purchase SOIs directly from vendors such as Sigma Aldrich, VWR, Chevron, etc. UCB Buyers have also utilized the University system-wide contract for the purchase of these SOIs.

Response to 15.c.: All SOIs were purchased individually and in closed containers. Hydraulic and transformer oil are purchased in bulked and in closed containers.

Response to 15.d.: SOIs such as lead, zinc and mercury are used in research and teaching laboratories. Hydraulic and transformer oils are used in engineering and building management maintenance. See Exhibit 2 for more detail.

16. *For each SOI delivered to the Facilities in closed containers, describe the containers, including but not limited to*:

a. *the type of container (e.g. 55 gal. drum, tote, etc.)*;

b. *whether the containers were new or used; and*

c. *if the containers were used, a description of the prior use of the container.*

RESPONSE:

In addition to the General Objections set forth above, UC objects to this request as overbroad in scope, unauthorized by law to the extent it is overbroad, and unduly burdensome. Request No. 16 purports to seek information relating to UC's Facilities that is not relevant to contamination at the Site.

UCSF:

Response to 16.a.: SOIs such as lead, zinc and mercury are delivered in containers ranging from milliliters to liters and/or grams to pound bottles. Hydraulic and transformer oils are usually delivered in 5, 20 and 55-gallon closed top drums and/or containers.

Response to 16.b.: All containers are new.

Response to 16.c.: Not applicable. Containers come new and not used.

UC BERKELEY:

Response to 16.a.: SOIs such as lead, zinc and mercury are delivered in containers ranging from milliliters to liters and/or grams to pound bottles. Hydraulic and transformer oils are usually delivered in 5, 20 and 55-gallon closed top drums and/or containers.

Response to 16.b.: All containers are new.

Response to 16.c.: Not applicable. Containers come new and not used.

17. *For each container that Respondent used to store a SOI or in which SOIs were purchased ("Substance-Holding Containers" or "SHCs") that was later removed from the Facility, provide a complete description of where the SHCs were sent and the circumstances under which the SHCs were removed from the Facility. Distinguish between the Relevant Time Period and the time period since 1988, and describe any changes in Respondent's practices over time.*

RESPONSE:

In addition to the General Objections set forth above, UC objects to this request as overbroad in scope, unauthorized by law to the extent it is overbroad, and unduly burdensome. UC further objects to Request No. 17 as it assumes that each SHC is somehow individually identified, tracked, and used and reused by the same entity throughout the life of the SHC. There is no evidence that BAD operated in this way or that it tracked SHCs for its customers such that this information is available. Generally, SHCs, such as drums sent to drum reconditioners by a customer, are fungible commodities and are not individually tagged or tracked to ensure their return to that particular customer. Accordingly, Request No. 17 purports to seek information that does not exist.

UC further objects to Request No. 17 as it purports to seek information relating to hazardous substances beyond the specific chemicals for which EPA purports to have evidence of a release or threatened release to the environment at the Site and that is not relevant to the Site; thus UC has limited its review of documents and information to the COCs identified by EPA.

Additionally, as stated in the RFI, "EPA is seeking to identify parties that have or may have contributed to contamination at the Site." However, Request No. 17 purports to seek information regarding SHCs that were sent to sites other than the BAD Site. To the extent that EPA seeks information about facilities that have no nexus with the BAD Site, this request is not relevant to the Site.

Notwithstanding the foregoing, and without any waiver of its objections, UC is providing EPA with certain information and documents that contain information related to UC's Facilities that shipped drums or other containers to the BAD Site.

UCSF:

From 1976 to 1980, SOIs were sent to the following sites for disposal: WCC Landfill (foot of Parr Boulevard, Richmond, CA); Nuclear Engineering Company, PO Box 156, San Ramon, CA 94596; Environmental Disposal Services (EDS), Kettleman Hills, CA; Casmalia Resources, NTU Road, Casmalia, CA.

From 1980 to 1988, SOIs were sent to the following sites for disposal: Casmalia Resources, NTU Road, Casmalia, CA.; Chemical Waste Management, Highway 41, Kettleman Hills, CA.

From 1989 to present, SOIs were sent to the following sites for disposal: Crosby and Overtion Environmental Management, Inc., 8430 Amelia Street, Oakland, CA 94621; Recyclotron Oil, Inc., DBA Refineries Service, PO Box 1171, Patterson, CA 95363; Evergreen Environmental Services, 6880 Smith Avenue, Newark, CA 94560; Rollins Environmental Services, 3777 Spinnaker Court, Fremont, CA 94538; Burlington Environmental, LLC, Kent Facility, Kent, Washington, 98032; AERC, Allentown, PA 18103; AERC, Hayward, CA 94544;

Clean Harbors Treatment, Storage, Disposal Facilities in San Jose, Aragonite, Utah, Deer Park, Texas and Phoenix.

UC BERKELEY:

UCB does not have records for each container of SOI regarding where it was sent and the circumstances under which the SHCs were removed from the facility for the relevant time period or from 1988 to 1992. Exhibit 3 provides information on where the SOIs were disposed of since 1992. The circumstances under which the SHCs were removed from the facility since 1992 are unknown.

18. *For each SHC that was removed from the Facility, describe Respondent's contracts, agreements, or other arrangements under which SHCs were removed from the Facility, and identity all parties to each contract, agreement, or other arrangement described. Distinguish between the Relevant Time Period and the time period since 1988.*

RESPONSE:

In addition to the General Objections set forth above, UC objects to this request as overbroad in scope, unauthorized by law to the extent it is overbroad, and unduly burdensome. As stated in the RFI, "EPA is seeking to identify parties that have or may have contributed to contamination at the Site." However, Request No. 18 purports to seek information regarding SHCs that were sent to sites other then the BAD Site. To the extent that EPA seeks information about facilities that have no nexus with the BAD Site, this request is not relevant to the Site.

Notwithstanding the foregoing, and without any waiver of its objections, UC is providing EPA with certain information and documents that contain information related to UC's Facilities that shipped drums or other containers to the BAD Site.

UCSF:

There were no records of contracts, agreements or other arrangement found from 1940 to 1978. From 1979 to 1989, agreements were in the form of a quote submitted by a hazardous chemical waste vendor to UCSF to provide disposal of laboratory waste. Parties to the agreements were North State Environmental, Safety Specialists, Zero Waste Systems, IT Corporation, Ensco Incorporated, General Electric Company, Crosby and Overton Environmental Management, Resna, and Evergreen Environmental Services, (waste vendors), and UCSF's Office of Environmental Health and Safety and Materiel Management.

From 1990 to 1994, agreements were in the form of a contract submitted by a hazardous chemical waste vendor to dispose of laboratory waste including asbestos waste. Among the participants in the agreements were California Advanced Environmental Technology Corporation, Rollins Environmental Services, and RESNA (waste vendors), Office of Environmental Health and Safety and Materiel Management.

From 1994 to the present agreements were in the form of a UC systemwide contract to dispose of laboratory waste. Among the participants in the agreements were UC systemwide waste managers (consisting of 10 UC campuses and national laboratory), UC Office of the President, UCSF's Office of Environmental Health and Safety and Materiel Management and Ecology Control Industries, Rollins Environmental Services, Laidlaw Environmental Service, Philips Environmental Services, MSE Environmental, Inc., Evergreen Environmental Services, Safety-Kleen, Onyx Environmental Service, Photo Waste Recycling, and Merry X-Ray (waste vendors).

UC BERKELEY:

We could not locate any records of contracts, agreements or other arrangement found from 1940 to 1994.

From 1994 to the present, agreements were in the form of a UC system-wide contract to dispose of hazardous waste. Among the participants in the agreements were UC system-wide waste managers (consisting of 10 UC campuses and Lawrence Berkeley National Laboratory), UC Office of the President, UCB's Office of Environment, Health and Safety, and the following hazardous waste vendors: Clean Harbors, Ecology Control Industries, Rollins Environmental Services, Laidlaw Environmental Service, Philips Environmental Services, MSE Environmental, Inc., Evergreen Environmental Services, Safety-Kleen, Onyx Environmental Service, Photo Waste Recycling, and Merry X-Ray.

19. *For each SHC, provide a complete explanation regarding the ownership of the SHC prior to delivery, while onsite, and after it was removed from the Facility. Distinguish between the Relevant Time Period and the time period since 1988, and describe any changes in Respondent's practices over time.*

RESPONSE:

In addition to the General Objections set forth above, UC objects to this request as overbroad in scope, unauthorized by law to the extent it is overbroad, and unduly burdensome. UC further objects to Request No. 19 as it assumes that each SHC is somehow individually identified, tracked, and used and reused by the same entity throughout the life of the SHC. There is no evidence that BAD operated in this way or that it tracked SHCs for its customers such that this information is available. Generally, SHCs, such as drums sent to drum reconditioners by a customer, are fungible commodities and are not individually tagged or tracked to ensure their return to that particular customer. Accordingly, Request No. 19 purports to seek information that does not exist. As stated in the RFI, "EPA is seeking to identify parties that have or may have contributed to contamination at the Site." However, Request No. 18 purports to seek information regarding SHCs that were sent to sites other then the BAD Site.

UCSF:

Supplier and distributor of the SHCs owned the SHCs. University takes ownership of the SHCs once the SHCs are received on-site. There are no changes from the Relevant Time Period and the time period since 1988 for the ownership of the SHCs.

UC BERKELEY:

Supplier and distributor of the SHCs owned the SHCs. University takes ownership of the SHCs once the SHCs are received on-site. There are no changes from the Relevant Time Period and the time period since 1988 for the ownership of the SHCs.

20. *Identify all individuals who currently have, and those who have had, responsibility for procurement of Materials at the Facilities. Also provide each individual's job title, duties, dates performing those duties, current position or the date of the individual's resignation, and the nature of the information possessed by each individual concerning Respondent's procurement of Materials.*

RESPONSE:

In addition to the General Objections set forth above, UC objects to this request as overbroad in scope, unauthorized by law to the extent it is overbroad, and unduly burdensome. Request No. 20 purports to seek information relating to UC's Facilities that is not relevant to contamination at the Site. UC further objects to Request No. 20 as it purports to seek information regarding procurement of "Materials" at facilities other than the BAD Site and thus goes beyond the specific chemicals for which EPA purports to have evidence of a release or threatened release to the environment.

UCSF:

UCSF has currently 1,300 Principal Investigators and each investigator has several staffs performing procurement functions at the laboratories. Likewise, the medical center has Materiel Services staff(s) that procures the Materials for the medical center. Administrative Assistants, Analysts, and Buyers are usually the job titles of these individuals procuring the materials. Information on what to purchase comes from the Principal Investigators or Lab Managers and Director of the unit.

UC BERKELEY:

UCB has more than 2,000 faculty members and each faculty member has several staff employees who perform procurement functions in the laboratories. Administrative Assistants, Analysts, and Buyers are usually the job titles of these individuals procuring the materials. Information on what to purchase comes from the faculty members or staff, lab managers, or the director of the unit. Procurement delegation comes from the campus Procurement Director. The

current Procurement Director is Lila Mauro. She has had this duty since 2006. Prior to that and in order from most recent to furthest past (1970s) are the following past Procurement Directors: Ron Coley, Fay Fields, Kurt Libby, Trudy Tuan, Kay DeLucchi, Howard Symonds.

21. *Describe how each type of waste containing any SOIs was collected and stored at the Facilities prior to disposal/recycling/sale/transport, including*:

a. *the type of container in which each type of waste was placed/stored*;

b. *how frequently each type of waste was removed from the Facility; Distinguish between the Relevant Time Period and the time period since 1988, and describe any changes in Respondent's practices over time.*

RESPONSE:

In addition to the General Objections set forth above, UC objects to this request as overbroad in scope, unauthorized by law to the extent it is overbroad, and unduly burdensome. As stated in the RFI, "EPA is seeking to identify parties that have or may have contributed to contamination at the Site." However, Request No. 21 purports to seek information regarding collection and storage of "any SOIs" at facilities other than the BAD Site. To the extent that EPA seeks information about facilities that have no nexus with the BAD Site, this request is not relevant to the Site.

UCSF:

Response to 21.a.: During the Relevant Time Period, SOIs such as lead and zinc in original containers are stored and collected from the research and medical center laboratories by the Office of Environmental Health and Safety (OEH&S). OEH&S usually collects the entire blood pressure cuffs containing the mercury for disposal. SOIs such as hydraulic and transformer oils are collected directly by the University waste vendor for disposal. For the period 1988 to the present, the same procedure applies on all the SOIs for storage, generation and collection.

Response to 21.b.: During the Relevant Time Period, SOIs were removed from the facility on as needed basis. From 1988 to the present, SOIs were removed every other week from the waste accumulation area.

UC BERKELEY:

Response to 21.a.: During the Relevant Time Period and from 1988 to present, SOIs such as lead and zinc remain in original containers while stored and collected from the research and teaching laboratories by the Office of Environment, Health and Safety (EH&S) when they become unwanted. SOIs such as hydraulic and transformer oils are collected directly by the University waste vendor for disposal.

Response to 21.b.: During the Relevant Time Period and from 1988 to present, SOIs were removed from the facility when unwanted and within regulatory time limits.

22. *Describe the containers used to remove each type of waste containing any SOIs from the Facilities, including but not limited to*:

a. *the type of container (e.g. 55 gal. drum, dumpster, etc.)*;

b. *the colors of the containers*;

c. *any distinctive stripes or other markings on those containers*;

d. *any labels or writing on those containers (including the content of those labels)*;

e. *whether those containers were new or used; and*

f. *if those containers were used, a description of the prior use of the container*;

Distinguish between the Relevant Time Period and the time period since 1988, and describe any changes in Respondent's practices over time.

RESPONSE:

In addition to the General Objections set forth above, UC objects to this request as overbroad in scope, unauthorized by law to the extent it is overbroad, and unduly burdensome. UC further objects to Request No. 22 as it assumes that each SHC is somehow individually identified, tracked, and used and reused by the same entity throughout the life of the SHC. There is no evidence that BAD operated in this way or that it tracked SHCs for its customers such that this information is available. Generally, SHCs, such as drums sent to drum reconditioners by a customer, are fungible commodities and are not individually tagged or tracked to ensure their return to that particular customer. Accordingly, Request No. 22 purports to seek information that does not exist.

As stated in the RFI, "EPA is seeking to identify parties that have or may have contributed to contamination at the Site." Moreover, the RFI defined "COCs" as "any of the contaminants of concern at the Site and includes: lead, zinc, mercury, DDT, chlordane, dieldrin, and PCBs. UC further objects to Request No. 22 as it purports to seek information relating to hazardous substances beyond the specific chemicals for which EPA purports to have evidence of a release or threatened release to the environment at the Site and that is not relevant to the Site; thus, UC has limited its review of documents and information to the COCs identified by EPA. Additionally, UC objects to Request No. 22 as it purports to seek information regarding containers used to remove each type of waste containing any SOIs from the Facilities and taken to *any* other place during *any* time. To the extent that EPA seeks information about facilities that have no nexus with the BAD Site, this request is not relevant to the Site.

Notwithstanding the foregoing, and without any waiver of its objections, UC is providing EPA with certain information and documents that contain information related to UC's Facilities that shipped drums or other containers to the BAD Site.

UCSF:

Response to 22.a.: During the Relevant Time period, type of container ranged from 5 gallon cans to 55-gallon steel/fiber drums. From 1988 to the present, the type of container ranged from 5-gallon cans to 55-gallon steel/fiber drums.

Response to 22.b.: During the Relevant Time period, colors of the containers are unknown. From 1988 to the present, colors of containers are usually black, gray, and blue.

Response to 22.c.: During the Relevant Time period, no distinctive stripes or other marking except perhaps container markings. From 1988 to the present, no distinctive stripes or other markings on disposal containers

Response to 22.d.: During the Relevant Time period, hazardous waste labels on disposal containers. From 1988 to the present, hazardous waste labels on disposal containers, profile number written usually on top of disposal containers, 4"x4" hazard class label, and upright label on disposal containers.

Response to 22.e.: During the Relevant Time period, disposal containers are new. From 1988 to the present, disposal containers are usually new.

Response to 22.f.: During the Relevant Time period, not applicable. From 1988 to the present, not applicable.

UC BERKELEY:

Our records of containers are based on our chemical waste database, which has been in use since 1992.

Response to 22.a.: type of containers were 5, 8, 20, 30, 55 gallon polyethelene and metal drums and cubic yard boxes.

Response to 22.b.: colors of the containers are typically black, gray, blue, and wood.

Response to 22.c.: no distinctive stripes or other marking except perhaps container markings.

Response to 22.d.: hazardous waste labels and markings on disposal containers
Response to 22.e.: disposal containers are new or reconditioned
Response to 22.f.: unknown.

23. *For each type of waste generated at the Facilities that contained any of the SOls, describe Respondent's contracts, agreements, or other arrangements for its disposal, treatment, or recycling and identify all parties to each contract, agreement, or other arrangement described. State the ownership of waste containers as specified under each contract, agreement, or other arrangement described and the ultimate destination or use for such containers. Distinguish between the Relevant Time Period and the time period since 1988, and describe any changes in Respondent's practices over time.*

RESPONSE:

In addition to the General Objections set forth above, UC objects to this request as overbroad in scope, unauthorized by law to the extent it is overbroad, and unduly burdensome. As stated in the RFI, "EPA is seeking to identify parties that have or may have contributed to contamination at the Site." Moreover, the RFI defined "COCs" as "any of the contaminants of concern at the Site and includes: lead, zinc, mercury, DDT, chlordane, dieldrin, and PCBs. UC further objects to Request No. 23 as it purports to seek information relating to hazardous substances beyond the specific chemicals for which EPA purports to have evidence of a release or threatened release to the environment at the Site and that is not relevant to the Site; thus, UC has limited its review of documents and information to the COCs identified by EPA. Additionally, UC objects to Request No. 23 as it purports to seek information regarding waste generated at any Facilities that contained any SOIs and taken to *any* other place during *any* time. To the extent that EPA seeks information about facilities that have no nexus with the BAD Site, this request is not relevant to the Site.

UCSF:

There were no records of contracts, agreements or other arrangement found from 1940 to 1978. From 1979 to 1989, agreements were in the form of a quote submitted by a hazardous chemical waste vendor to UCSF to provide disposal of laboratory waste. Parties to the agreements were North State Environmental, Safety Specialists, Zero Waste Systems, IT Corporation, Ensco Incorporated, General Electric Company, Crosby and Overton Environmental Management, RESNA, and Evergreen Environmental Services, (waste vendors),

From 1990 to 1994, agreements were in the form of a contract submitted by a hazardous chemical waste vendor to dispose of laboratory waste. Among the participants in the agreements were California Advanced Environmental Technology Corporation, Rollins Environmental Services, and RESNA (waste vendors), and Office of Environmental Health and Safety and Materiel Management.

From 1994 to the present agreements were in the form of a UC systemwide contract to dispose of laboratory waste. Among the participants in the agreements were UC systemwide waste managers (consisting of 10 UC campuses and national laboratory), UC Office of the President, UCSF's Office of Environmental Health and Safety and Materiel Management and

Ecology Control Industries, Rollins Environmental Services, Laidlaw Environmental Service, Philips Environmental Services, MSE Environmental, Inc., Evergreen Environmental Services, Safety Kleen, Onyx Environmental Service, Photo Waste Recycling, and Merry X-Ray (waste vendors).

UC BERKELEY:

There were no records of contracts, agreements or other arrangement found from 1940 to 1994. From 1994 to the present, agreements were in the form of a UC system-wide contract to dispose of hazardous waste. Among the participants in the agreements were UC system-wide waste managers (consisting of 10 UC campuses and Lawrence Berkeley National Laboratory), UC Office of the President, UCB's Office of Environment, Health and Safety, and the following waste vendors:Clean Harbors, Ecology Control Industries, Rollins Environmental Services, Laidlaw Environmental Service, Philips Environmental Services, MSE Environmental, Inc., Evergreen Environmental Services, Safety-Kleen, Onyx Environmental Service, Photo Waste Recycling, and Merry X-Ray.

UCB owns all waste containers from generation to final disposal.

24. *Identify all individuals who currently have, and those who have had, responsibility for Respondent's environmental matters (including responsibility for the disposal, treatment, storage, recycling, or sale of Respondent's wastes and SHCs). Provide the job title, duties, dates performing those duties, supervisors for those duties, current position or the date of the individual's resignation, and the nature of the information possessed by such individuals concerning Respondent's waste management.*

RESPONSE:

In addition to the General Objections set forth above, UC objects to this request as overbroad in scope, unauthorized by law to the extent it is overbroad, and unduly burdensome. Identifying all individuals who currently have, and those who have had, responsibility for UC's environmental matters at all of UC's Facilities, including those that have no nexus to the BAD Site, is not feasible due to long history of existence/operations and the number of UC's locations,

UCSF:

Office of Environmental Health and Safety has the responsibility for all of UCSF's environmental matters including disposal. Job title of that person is Program Manager, Hazardous Material Management Program. Job description of the person is attached. Job description summarizes the responsibilities of the Program Manager on environmental matters including hazardous chemical waste disposal. The description also provides the direct reports to manage the program. Job descriptions of the direct reports are also attached for completeness.

UC BERKELEY:

Office of Environment, Health and Safety has the responsibility for all of UCB's environmental matters including disposal. Job title and descriptions and effective date of the people who currently have responsibility for the disposal, treatment, storage, or sale of Respondent's wastes and SHCs are attached. (See Exhibit 4.) Other individuals who no longer have the responsibility include: Karl Hans (~1980-1990), Susan Spencer (~1980-1990), Miles Nirei (~1990-1995), Heather Randol (~1998-2002), Art Mahoney (~1994-1998), Aaron Wilber (~1993-2006), Bruce Young (~1991-2000), Wayne Thomas (~1995-2006), Steve Brown (~1999-2003).

25. *Did Respondent ever purchase drums or other containers from a drum recycler or drum reconditioner? If yes, identify the entities or individuals from which Respondent acquired such drums or containers.*

RESPONSE:

In addition to the General Objections set forth above, UC objects to this request as overbroad in scope, unauthorized by law to the extent it is overbroad, and unduly burdensome. Identifying all drum recyclers or drum reconditioners from which UC has ever acquired such drums or containers is not feasible due to long history of existence/operations of UC's Facilities.

UCSF:

No. UCSF purchases drums and supplies from the University contracted hazardous chemical waste vendor.

UC BERKELEY:

Yes. UCB purchased reconditioned drums from EP Containers, Gonzalez Drums, and Containers Unlimited.

26. *Prior to 1988, did Respondent always keep its waste streams that contained SOIs separate from its other waste streams?*

RESPONSE:

In addition to the General Objections set forth above, UC objects to this request as overbroad in scope, unauthorized by law to the extent it is overbroad, and unduly burdensome. UC further objects to Request No. 26 as it purports to seek information relating to hazardous substances beyond the specific chemicals for which EPA purports to have evidence of a release or threatened release to the environment at the Site and that is not relevant to the Site; thus, UC has limited its review of documents and information to the COCs identified by EPA.

UCSF:

Yes. SOIs were disposed as lab packs.

UC BERKELEY:

UCB does not have records sufficient to answer this question.

27. *Identify all removal and remedial actions conducted pursuant to the Comprehensive Environmental Response, Compensation and Liability Act, 42 U.S.C. § 9601 et seq., or comparable state law; all corrective actions conducted pursuant to the Resource Conservation and Recovery Act, 42 U.S.C. § 6901 et seq.; and all cleanups conducted pursuant to the Toxic Substances Control Act, 15 U.S.C. § 2601 et seq. where (a) one of the COCs was addressed by the cleanup and (b) at which Respondent paid a portion of cleanup costs or performed work. Provide copies of all correspondence between Respondent and any federal or state government agency that (a) identifies a COC and (b) is related to one of the above-mentioned sites.*

RESPONSE:

In addition to the General Objections set forth above, UC objects to this request as overbroad in scope, unauthorized by law to the extent it is overbroad, and unduly burdensome. As stated in the RFI, "EPA is seeking to identify parties that have or may have contributed to contamination at the Site." However, Request No. 27 purports to seek information regarding a broad range of removal and remedial actions, corrective actions and cleanups. Moreover, identifying all such removal and remedial actions is not feasible due to long history of existence/operations, the number of UC's locations. To the extent that EPA seeks information about facilities that have no nexus with the BAD Site, this request is not relevant to the Site. UC further objects to Request No. 27 to the extent that EPA is already in possession of the requested documents, and to the extent that EPA is not in possession of these files, they are readily available to EPA.

UCSF:

UCSF has been involved in some CERCLA clean-ups in the past. They are as follows: a) Aqua Tech; b) Bay Area Drum; c) Casmalia Resources; and d) Quicksilver. Internal correspondence is attached for Aqua Tech and Bay Area Drum clean-ups. There are no current records for Casmalia or Quicksilver sites. Other correspondence between UCSF and federal or state agencies for clean-ups does not exist.

UC BERKELEY:

UCB has been involved in some CERCLA clean-ups in the past. They are as follows: Aqua Tech; Bay Area Drum; Casmalia Resources; Quicksilver; Mercury Refining, Omega,

Safety Light, Li-Tungsten, North State Environmental. UCB could not locate correspondences between UCB and federal or state government agencies.

28. *Provide all records of communication between Respondent and Bay Area Drum Company, Inc.; Meyers Drum Company; A.W. Sorich Bucket and Drum Company; Waymire Drum Company, Inc.; Waymire Drum and Barrel Company, Inc.; Bedini Barrels Inc.; Bedini Steel Drum Corp.; Bedini Drum; or any other person or entity that owned or operated the facility located at 1212 Thomas Avenue, in the City and County of San Francisco, California.*

RESPONSE:

In addition to the General Objections set forth above, UC objects to this request as overbroad in scope, unauthorized by law to the extent it is overbroad, and unduly burdensome. DTSC conducted an extensive investigation of the BAD Site and UC's operations in connection with it. DTSC's files include extensive records concerning the Bay Area Drum Company, Inc. and other persons and entities that owned or operated the facility located at 1212 Thomas Avenue, in the City and County of San Francisco, California. UC understands that EPA is already in possession of DTSC's files regarding the BAD Site, and to the extent that EPA is not in possession of these files, they are readily available to EPA.

UCSF:

Records between UCSF, BAD and other drum companies have all been discarded in accordance with UCSF record retention policies. However, copies of a few checks, ledgers, and purchase orders between UCSF and BAD, Bedini and Waymire were obtained by UC during the DTSC investigation of BAD. Copies of these documents are enclosed.

UC BERKELEY:

We could not locate any records between UCB, BAD and other drum companies. However, copies of a few checks, ledgers, and purchase orders between UC Berkeley and BAD, Bedini and Waymire were obtained by UC during the DTSC investigation of BAD. Copies of these documents are enclosed.

29. *Identify the time periods regarding which Respondent does not have any records regarding the SOIs that were produced, purchased, used, or stored at the Facilities.*

RESPONSE:

In addition to the General Objections set forth above, UC objects to this request as overbroad in scope, unauthorized by law to the extent it is overbroad, and unduly burdensome.

In responding to the RFI, UC has undertaken a diligent and good faith search for, and review of, documents and information in its possession, custody or control and that are relevant to this matter. Moreover, UC understands that EPA is already in possession of DTSC's files regarding the BAD Site. UC is under no further obligation to identify time periods to which these documents do not pertain.

UCSF:

Purchasing records are kept at an average of seven (7) years after which they are destroyed.

UC BERKELEY:

Purchasing records are kept for (5) years.

30. *Provide copies of all documents containing information responsive to the previous twenty-nine questions and identify the questions to which each document is responsive.*

RESPONSE:

UC objects to Request No. 30 as it purports to seek information relating to hazardous substances beyond the specific chemicals for which EPA purports to have evidence of a release or threatened release to the environment at the Site and that is not relevant to the Site; thus, UC has limited its review of documents and information to the COCs identified by EPA. UC further objects to Request No. 30 as it purports to seek copies of documents containing information responsive to the previous twenty-nine questions. DTSC conducted an extensive investigation of the BAD Site and UC's operations in connection with it. DTSC's investigation included an information request to UC and the DTSC files include UC's Response to DTSC's information request, among other documents. We understand that EPA is already in possession of DTSC's files regarding the BAD Site, and to the extent that EPA is not in possession of these files, they are readily available to EPA.

UCSF:

Information that is available is enclosed

UC BERKELEY:

Information that is available is enclosed.

Any questions EPA may have regarding the responses to this information request may be directed to Anthony Garvin at (510) 987-9737.

Sincerely,

Anthony O. Garvin
Senior Counsel – Business & Land Use

AOG:BLB

cc: R. Eaton, w/encl.
M. Freiberg, w/encl.
P. Goff, w/encl.
L. Luistro, w/encl.

196961.1

UC BERKELEY

EXHIBIT 1

UNIVERSITY OF CALIFORNIA, BERKELEY EPA IDENTIFICATION NUMBERS
As of December 16, 2009

Berkeley Locations

Site Name and Address	EPA ID Number
University of California, Berkeley, 200 California Hall, Berkeley, California, 94720 (Main Campus)	CAD980584692
Banway Building (expires 10/26/09)	CAP000201947
Berkeley Art Museum, 2625 Durant Avenue, Berkeley, California, 94720	CAR000120824 (Don't Use)
Clark Kerr, 2601 Warring Street, Berkeley, California, 94720	CAR000120790
Etcheverry and Soda Hall, 300 ft sw of Leroy Ave, 175 ft. NE of Euclid Ave, Berkeley, CA 94720	CAR000198119
Helios West (2151 B), Berkeley Way, Berkeley California 94704	CAD980673297
Oxford Tract, 1751 Walnut Street, Berkeley, California, 94720	CAR000003939
Physical Plant, 2000 Carleton Street, Berkeley, California, 94720	CA0000303180
Tang Center, 2222 Bancroft Way, Berkeley, California, 94720	CAR000120816
U1 Residence Hall, 2650 Durant Avenue, Berkeley, California, 94720	CAR000113076
U2 Residence Hall, 2650 Haste Street, Berkeley, California, 94720	CAR000120832
U3 Residence Hall, 2400 Durant Avenue, Berkeley, California, 94720	CAR000120840

Non-Berkeley Locations

Site Name and Address	EPA ID Number
Blake House, 70 Rincon Road, Kensington, California, 94707	CAR000120865
Gill Tract/Albany Village Complex, 1050 San Pablo Avenue, Albany, California, 94706	CA0000303966
Hastings Natural History Reservation, 38601 E. Carmel Valley Rd., Carmel Valley, CA 93924	CAR000120873
Hat Creek Observatory, 42231 Bidwell Road, Hat Creek, California, 96040	CAR000120857
Marchant Building, 6701 San Pablo Avenue, Oakland, California, 94608	CAR000068916
Regatta Building 3200 Regatta Blvd., Richmond, CA 94804	CAD982403073
Richmond Field Station, 1301 South 46th Street, Richmond, California, 94804	CAD983669268

Exhibit 2: Subjects of Interest Information (source: Chemical Inventory Database)

TYPES	QUANTITIES ON HAND	LOCATIONS
Chlordane	0.1 lbs	UCB Main Campus 200 California Hall, Berkeley, California, 94720
DDT	0.7	UCB Main Campus 200 California Hall, Berkeley, California, 94720
	.01 lbs	Oxford Tract, 1751 Walnut Street, Berkeley, California, 94720
	.1 lbs	Richmond Field Station, 1301 South 46th Street, Richmond, California, 94804
Dieldrin	.1	UCB Main Campus 200 California Hall, Berkeley, California, 94720
	.06	Richmond Field Station, 1301 South 46th Street, Richmond, California, 94804
Hydraulic Oil	227 gal	UCB Main Campus 200 California Hall, Berkeley, California, 94720
	7.5 gal	Blake House, 70 Rincon Road, Kensington, California, 94707
	35 gal	Blodgett Forest Research Station
	17 gal	Physical Plant, 2000 Carleton Street, Berkeley, California, 94720
	15 gal	Clark Kerr, 2601 Warring Street,

Exhibit 2: Subjects of Interest Information (source: Chemical Inventory Database)

		Berkeley, California, 94720
	53 gal	Etcheverry and Soda Hall, 300 ft sw of Leroy Ave, 175 ft. NE of Euclid Ave, Berkeley, CA 94720
	2 gal	Gill Tract/Albany Village Complex, 1050 San Pablo Avenue, Albany, California, 94706
	1 gal	Hastings Natural History Reservation, 38601 E. Carmel Valley Rd., Carmel Valley, CA 93924
	35 gal	Hat Creek Observatory, 42231 Bidwell Road, Hat Creek, California, 96040
	2000 gal	Richmond Field Station, 1301 South 46th Street, Richmond, California, 94804
	2 gal	Marchant Building, 6701 San Pablo Avenue, Oakland, California, 94608

Exhibit 2: Subjects of Interest Information (source: Chemical Inventory Database)

Lead (solid lead bricks) (solid lead bricks for long-term earthquake engineering studies)	5000 lbs 0.2 lbs 80000 lbs	UCB Main Campus 200 California Hall, Berkeley, California, 94720 Etcheverry and Soda Hall, 300 ft sw of Leroy Ave, 175 ft. NE of Euclid Ave, Berkeley, CA 94720 Richmond Field Station, 1301 South 46th Street, Richmond, California, 94804
Mercury	1.3 gal 1.3 gal	UCB Main Campus 200 California Hall, Berkeley, California, 94720 Etcheverry and Soda Hall, 300 ft sw of Leroy Ave, 175 ft. NE of Euclid Ave, Berkeley, CA 94720
PCBs	0.3 gal	UCB Main Campus 200 California Hall, Berkeley, California, 94720

Exhibit 2: Subjects of Interest Information (source: Chemical Inventory Database)

Transformer Oil	0 gal	
Zinc	80 lbs 2 lbs	UCB Main Campus 200 California Hall, Berkeley, California, 94720 Etcheverry and Soda Hall, 300 ft sw of Leroy Ave, 175 ft. NE of Euclid Ave, Berkeley, CA 94720

Exhibit 3: Subjects of Interest Information (source: UCB Chemical Waste Database-data available from 1992)

Type	Avg Annual Qty[1]	Locations Generated	Locations Disposed	Container Type	Method Disposed
Lead (16 years of generation, last shipped, 2009)	715 pounds	Main Campus Oxford Tract Richmond Field Station	USPCI RETC IT ROLLINS	5G Poly 5G Metal 30G Metal	Lead, recycled
Mercury (17 years of generation, last shipped, 2009)	150 pounds	Main Campus Gill Tract Oxford Tract Marchant Richmond Field Station Tang	USPCI Hydrocarbon Recyclers. LAIDLAW ROLLINS IT Clean Harbors Burlington Environmental	55G Poly 30G Poly 8G Poly 5G Poly	Metallic mercury, recycled Retort
Zinc (3 years of generation, last shipped, 1994)	2.5 pounds	Main Campus	USPCI CWM	5G Poly 55G Metal	Treatment Incineration
Dichlorodiphenyltrichloroethane DDT (9 years of generation, last shipped, 2002)	2.5 pounds	Main Campus Richmond Field Station Gill Tract	ENSCO LAIDLAW IT Clean Harbors	55G Metal 55G Poly 30G Poly 30G Metal	Incineration
Chlordane (9 years of generation, last shipped, 2002)	0.8 pounds	Main Campus Oxford Tract	ENSCO LAIDLAW IT	55G Metal	Incineration
Dieldrin (2 years of generation, last shipped, 2001)	2.0 pounds	Main Campus	IT	55G Metal	Incineration
Hydraulic Oil (7 years of generation, last shipped, 2003)	748 pounds	Main Campus Unit 2	Evergreen Clean Harbors	55G Metal	Oil, Recycle

[1] Based on number of years of generation since 1992

Exhibit 3: Subjects of Interest Information (source: UCB Chemical Waste Database-data available from 1992)

Transformer Oil (8 years of generation, last shipped, 2001)	1285 pounds	Main Campus Richmond Field Station	USPCI SALESCO LAIDLAW ROLLINS	20G Metal 30G Metal 30G Poly 5G metal Pallet	Oil, Recycle PCB Incineration
PCBs (liquids) (14 years of generation, last shipped, 2009)	7482 pounds	Main Campus Gilman 2000 Carleton Oxford Tract Richmond Field Station Regatta Building Printing Services Residence Halls	IT Corporation, Vine Hill Kettleman Safety-Kleen Clean Harbors Ensco	55G Metal CY Box	PCB Incineration PCB Landfill

UCB SOIs - Locations Disposed (Exhibit 3 Supplement)

TSDF	TSDF Name	TSDF EPA ID	Street Addr	City	State
LDLAW	Safety-Kleen Corporation (Clive)	UTD982595795	SEC 36-TIS-R12W, TOOELE COUNTY	Clive	UT
LDLW	Safety-Kleen Enviromental Services Phoenix AZ.	AZD049318009	1340 W. Lincoln Street	Phoenix	AZ
RETC	Romic Environmental Technologies Corp.	CAD009452657	2081 Bay Road	East Palo Alto	CA
CLEANARG	Clean Harbors (Aragonite)	UTD981552177	11600 North APTUS road	Aragonite	UT
ROL/LA	Rollins Enviromental Services (LA)	LAD010395127	13351 Scenic Highway	Baton Rouge	LA
DEER PARK	Clean Harbors Deer Park	TXD055141378	2027 Battleground Road	Deer Park	TX
CH LA,LLC	Clean Harbors Los Angeles, LLC	CAD050806850	5756 Alba Street	Los Angeles	CA
ROMIC	Romic	ROMIC	2081 Bay Road	East Palo Alto	CA
ROMSW	Romic Chemical Southwest	AZD009015389	6760 West Allison Rd.	Chandler	AZ
SAF-SAC	Safety-Kleen Corp. (Sacramento)	CA0000084517	6000 88th Street	Sacramento	CA
SAFKLEEN	Safety-Kleen Corp. 8 7 178 01	CAD053044053	404 MARKET ST	Oakland	CA
CLHAR	Clean Harbors Environmental Services Inc.	NED981723513	2247 South Highway 71	Kimball	NE
CLEAN-SJ	Clean Harbors San Jose LLC	CAD059494310	1021 Berryessa Road	San Jose	CA
STK-SA	Safety-Kleen Corp. (Santa Ana)	CAT000613976	2120 South Yale Street	Santa Ana	CA

UCB SOIs - Locations Disposed (Exhibit 3 Supplement)

TSDF	TSDF Name	TSDF EPA ID	Street Addr	City	State
LDLAW-GB	Safety-Kleen Corporation (LONE & GRASSY)	UTD991301748	3 m east, 7 m north, I-80 Exit 41, Knols	Clive	UT
EVERG	Evergreen Oil (Vallejo)	CAD982446866	885 Lake Herman R. AT COLUMBUS	Vallejo	CA
EVERG	Evergreen Environmental Services	CAD982446874	Road 30B	Davis	CA
CLHARC	Clean Harbors Services, INC.	ILD000608471	11800 S. Stony Island Ave.	Chicago	IL
CLHARCT	Clean Harbors Services, INC.	CTD000604488	761 Middle Street	Bristol	CT
RAMOS ENV	Ramos Environmental Services	CAD044003556	1515 South River Road	West Sacramento	CA
CH-LONE MT.	Clean Harbors Lone Mountain, LLC	OKD065438376	Route 2 P. O. Box 170	Waynoka	OK
EMI	21st Century EMI	NVD980895338	2095 Newlands Drive East	Fernley	NV
CLEANCFX	Clean Harbors Colfax LLC	LAD981055791	3763 HIghway 471	Colfax, LA	CA
CHEMWMGT	Chemical Waste Management	CCT000646117	35231 Old Skyline Road	Kettleman City	CA

UNIVERSITY OF CALIFORNIA

JOB DESCRIPTION
U1607-1 (R7/89) E0390

PERSONNEL USE ONLY

APPROVED TITLE	EFFECTIVE DATE	TITLE CODE	INITIALS	DATE
EH&S Technician	11/24/08	7134	CFL	11/25/2008

NAME Ashley Cuff	EMPLOYEE ID NO. Privacy Act
DEPARTMENT Environment, Health & Safety	CAMPUS Berkeley
PRESENT PAYROLL TITLE EH&S Technician	STEP/GRADE Privacy Act
WORKING TITLE IF DIFFERENT Hazardous Materials Technician	PERCENT OF TIME 100
SUPERVISOR'S NAME Andrew Fletcher	SUPERVISOR'S PAYROLL TITLE EH&S Specialist I - Supervisor
DEPARTMENT HEAD'S NAME IF DIFFERENT Mark Freiberg	DEPARTMENT HEAD'S TITLE Director
NAMES OF THOSE SUPERVISED	PAYROLL TITLE / PERCENT OF TIME

STATEMENT OF DUTIES: Describe your regular and most important duties first. Estimate the amount of time spent on each major duty, using percentages, numbers of hours per day, or a similar breakdown.

PERCENT OF TIME	DUTIES
	The Office of Environment, Health and Safety (EH&S) provides guidance and services to the campus community that promote health, safety and environmental stewardship. The Hazardous Waste Management Program goals for this position are to operate and maintain hazardous waste management services on behalf of the campus. **Job Duties Include:** * Understand and support the EH&S mission and vision. Contribute to a successful team oriented work environment ensuring interdependence and cooperation, constructive and positive communications, and mutual support. Promote and exemplify campus, divisional, and departmental high standards for excellent customer service, effective use of resources, professional development, personal accountability, and continuous improvement. Under direct supervision of the chemical waste operation supervisor, works independently to provide hazardous waste management to the UC Berkeley campus and affiliated field stations, and emergency response service for the Hazardous Materials Facility (HMF). This position is designated as sensitive based on the following criteria, and is subject to a criminal background check:
75%	**I. * Hazardous Waste Management Program** - Following established technical guidelines pick up prepackaged unwanted materials from campus locations: Coordinate with clients, verify contents, resolve minor problems, provide basic guidance to clients, report complex issues to supervisor, manage all associated paperwork. - Consolidate liquid waste, prepare containers for shipment, other duties and special projects as required or assigned. - Assist Hazardous Materials Management Team staff to sort hazardous materials according to chemical compatibility and hazard class; package, and prepare hazardous waste for shipping according to Department of Transportation requirements. Must maintain a commercial drivers license for hazardous waste transportation.

PERCENT OF TIME	DUTIES
10%	**II. *Emergency Response** - Provide direct emergency response services within the HMF, responding to campus hazardous material releases, or as a technical resource for other emergency response activities. Must be accessible via telephone or pager, and readily available to respond on-scene to any HMF emergency during business hours. - To serve as a designated responder, incumbent must meet specific requirements of the Emergency Response Program including occupational physical qualifications. Medical baseline is required. - At the request of campus management (EH&S Director, VC BAS, UCPD Chief, or designated alternate), must be available in a campus disaster or campus hazardous material release/threatened release, to serve in the appropriate emergency response role based upon expertise and, where applicable, designated departmental role.
10%	**III. *Other Duties as Assigned, including but not limited to:** - Perform routine maintenance activities at the material/waste processing facility. Maintain facilities and equipment in safe operating condition. - Perform other duties, similar to above listed duties, when requested.
5%	**IV. *Back-up for Radioactive Waste Technicians** Perform back-up duties for the Radioactive and Medical Waste Technicians, which involves collection and processing of low-level radioactive medical wastes. **Qualifications and Knowledge** - Graduation from high school or a General Education Diploma and one year of experience in an environmental health and safety program, or two years of college including appropriate science courses; or an equivalent combination of education and experience. - Familiarity with hazardous waste management requirements, including federal, state and local laws and regulations pertaining to proper handling, packaging, transportation and disposal of hazardous waste. - Ability to move items weighing up to 100 lbs - Ability to obtain valid CA Drivers License with hazardous materials endorsement. **Governing Laws, Regulations, Policies and Procedures:** Incumbent's responsibilities are guided by federal, state and local laws and regulations, which include (but are not limited to): Hazardous Waste Management Act and Resource Conservation and Recovery Act. Specific requirements for UC Berkeley are outlined in UC Berkeley's hazardous waste management policies and procedures, as approved by Department of Toxic Substances Control. *Essential Functions

CERTIFICATE OF EMPLOYEE: I certify that the foregoing information is correct and complete, and describes my job as I understand it.

SIGNATURE 12/5/08 DATE

CERTIFICATE OF IMMEDIATE SUPERVISOR AND DEPARTMENT HEAD: I have reviewed the above statements and certify to their accuracy with the exceptions noted here.

SUPERVISOR'S SIGNATURE 12/5/08 DATE

DEPARTMENT HEAD'S SIGNATURE 12/3/08 DATE

UNIVERSITY OF CALIFORNIA

JOB DESCRIPTION

U1607–1 (R7/89)

PERSONNEL USE ONLY

APPROVED TITLE	EFFECTIVE DATE	TITLE CODE	INITIALS	DATE
Senior Technician	5/1/2005	7142		

NAME Nel Diacan	EMPLOYEE ID NO. Privacy Act
DEPARTMENT Environment, Health and Safety (EH&S)	CAMPUS Berkeley
PRESENT PAYROLL TITLE Senior EH&S Technician	STEP/GRADE Privacy Act
WORKING TITLE IF DIFFERENT Senior EH&S Technician	PERCENT OF TIME 100%
SUPERVISOR'S NAME Julia Ryan	SUPERVISOR'S PAYROLL TITLE EH&S Specialist II
DEPARTMENT HEAD'S NAME IF DIFFERENT Mark Freiberg	DEPARTMENT HEAD'S TITLE Director
NAMES OF THOSE SUPERVISED	PAYROLL TITLE / PERCENT OF TIME

STATEMENT OF DUTIES: Describe your regular and most important duties first. Estimate the amount of time spent on each major duty, using percentages, numbers of hours per day, or a similar breakdown. Use reverse side.

PERCENT OF TIME	DUTIES
	The Office of Environment, Health and Safety's mission is to provide guidance and services to the campus community that promote health, safety and enviromental stewardship. The Hazardous Waste Management Program goals for this position are to provide radioactive waste management services to campus clients. **Job Duties Include:** Understand and support the EH&S mission and vision. Contribute to a successful team oriented work environment ensuring interdependence and cooperation, constructive and positive communications, and mutual support. Promote and exemplify campus, divisional, and departmental high standards for excellent customer service, effective use of resources, professional development, personal accountability, and continuous improvement. At the request of campus management (EH&S Director, VC BAS, UCPD Chief, or designated alternate), must be available in a campus disaster or campus hazardous material release/threatened release, to serve in the appropriate emergency response role based upon expertise and, where applicable, designated departmental role.
40%	**I. *Radioactive Waste Management Program** Collect, monitor/sample, segregate, package, stage and track radioactive wastes according to Radioactive Waste Program procedures. a) Collect: Pick up wastes (in bottles, boxes, or drums) at various campus locations. Monitor waste containers and each generating or staging site for radioactive contamination; record findings. Transport the radioactive waste to the staging facility.

(Use reverse side if more room is necessary.)

PERCENT OF TIME	DUTIES
	b) Monitor/Sample: Use radiation detectors with pancake and scintillation probes to survey for contamination. Use liquid scintillation counter to measure contamination of surface swipes and activity of liquid waste samples. c) Segregate: Sort and segregate waste by radioisotope; chemical hazard characteristics; federal, state and local regulations; and disposal site waste acceptance criteria. d) Package: Package and label radioactive waste for decay or shipment to permitted disposal sites following Department of Transportation requirements. Maintain records according to federal, state, and campus Radioactive Use Authorization requirements as well as departmental needs. e) Stage: Assist in organizing waste for shipments. Prepare waste documents, samples, and activity and contamination reports required for shipping. f) Track: Prepare radioactive materials packing lists, radioactive waste shipping papers, transfer and release papers, and other required documents. Enter data in the Comprehensive Waste Tracking System (CWTS) and assist in preparing daily, monthly, and other radioactive waste reports needed by the department.
35%	**II. * Medical Waste Management Program** Close, label, and prepare medical wastes for pick up in accordance with the Medical Waste Management Plan. a) Weekly activities: Survey waste accumulation areas for housekeeping and general compliance and record findings. Address client service needs. Transport medical waste to the accumulation areas as needed. b) Close: Close and secure lids to tubs assuring the weight of each tub does not exceed 45 lbs. c) Label: Label each tub with the UC Berkeley identifier provided by the contractor. Assure each tub is properly labeled with biohazard symbols and required marking and labeling to meet Department of Transportation requirements. d) Prepare: Prepare tubs for weekly removal by the contractor and set up empty tubs to replace full tubs. e) Track: Record the number of tubs at each location for removal for use in verifying manifest data. Check the manifests to assure the contractor has removed the same number of tubs. File manifests in the Medical Waste Management Program files.
15%	**III. *Perform back-up duties for Hazardous Waste Operations** As needed, collect and process chemical materials and waste.
5%	**IV. *Dedicated Spill Response Team** Provide technical support to the EH&S Dedicated Spill Response Team (DSRT) Program by serving as a "Designated Responder" every other week. Must be accessible via telephone or pager and readily available to respond on-scene to emergencies (e.g., a chemical spill) during business hours when assigned. Provide technical support to the DSRT Program by serving as an "Off-hours Responder" every third week. Must be accessible via telephone or pager and readily available to respond on-scene to emergencies (e.g., a chemical spill) around the clock during assigned periods. This is an "unrestricted" on-call position. Must maintain the ability to effectively respond and be within 50 miles or one hour of the campus. To serve as a designated responder, incumbent must meet the specific requirements of the DSRT Program as outlined in the EH&S DSRT Program Guidelines. These include bonafide occupational physical and mental qualifications. Medical baseline is required.

PERCENT OF TIME	DUTIES
5%	**V. *Other Duties** as Assigned. **These include, but are not limited to:** - Perform routine maintenance activities at the Hazardous Materials Facility. Maintain facilities and equipment in clean, orderly and safe operating condition. **Required Knowledge and Skills** - Graduation from high school or a General Education Diploma and two years of experience in an environmental health and safety program, or two years of college including appropriate science courses and one year of experience in an environmental safety program; or an equivalent combination of education and experience; and knowledge and abilities essential to the successful performance of the duties assigned to the position. - Must be familiar with hazardous waste management requirements, including Federal, State and local laws and regulations pertaining to proper handling, packaging, transportation and disposal of hazardous waste (see "Governing Laws, Regulations, Policies and Procedures" below). - Must maintain a commercial drivers license for driving hazardous and radioactive waste. - Hazwoper and DOT Shipping certification. **Governing Laws, Regulations, Policies and Procedures.** Incumbent's responsibilities are guided by a significant number of federal, state, and local laws and regulations, which include (but are not limited to): - Cal/OSHA standards (as applicable) - City of Berkeley Hazardous Materials Ordinance - DOT Hazardous Materials Transportation Regulations (49 CFR 171-180) - EPA Hazardous Waste Regulations - Medical Waste Management Act - Radiation Control Laws and Regulations Campus policies and procedures, which include (but are not limited to), Campus Radioactive Materials License, Campus Radiation Safety Manual, and Radioactive Waste Program Radiation Use Authorizations * = **Essential Functions**

CERTIFICATE OF EMPLOYEE: I certify that the foregoing information is correct and complete, and describes my job as I understand it.

SIGNATURE 1/3/06 DATE

CERTIFICATE OF IMMEDIATE SUPERVISOR AND DEPARTMENT HEAD: I have reviewed the above statements and certify to their accuracy with the exceptions noted here.

SUPERVISOR'S SIGNATURE 12/5/05 DATE DEPARTMENT HEAD'S SIGNATURE 12/2/05 DATE

UNIVERSITY OF CALIFORNIA

JOB DESCRIPTION
U1607-1 (R7/89) E0390

PERSONNEL USE ONLY

APPROVED TITLE	EFFECTIVE DATE	TITLE CODE	INITIALS	DATE
EH&S Specialist II	6/1/07	7135	CD	2/2/2007

NAME Kelley Etherington	EMPLOYEE ID NO. Privacy Act
DEPARTMENT Environment, Health & Safety	CAMPUS Berkeley
PRESENT PAYROLL TITLE EH&S Specialist II	STEP/GRADE Privacy Act
WORKING TITLE IF DIFFERENT Hazardous Materials Specialist	PERCENT OF TIME 85%
SUPERVISOR'S NAME Pat Goff	SUPERVISOR'S PAYROLL TITLE Principal EH&S Specialist
DEPARTMENT HEAD'S NAME IF DIFFERENT Mark Freiberg	DEPARTMENT HEAD'S TITLE Director
NAMES OF THOSE SUPERVISED Charles Borromeo	PAYROLL TITLE EH&S Specialist II (Temporary Contract Position) — PERCENT OF TIME: 100%

STATEMENT OF DUTIES: Describe your regular and most important duties first. Estimate the amount of time spent on each major duty, using percentages, numbers of hours per day, or a similar breakdown.

PERCENT OF TIME	DUTIES
	The Office of Environment, Health & Safety provides guidance and services to the campus community that promote health, safety, and environmental stewardship. **General Job Duties:** Ensure all subordinate staff understand and support the EH&S mission and vision. Model leadership that is decisive, communicates vision, and provides employees with the support and feedback they need to do their best work. Promote and contribute to a successful team oriented work environment ensuring interdependence and cooperation, constructive and positive communications, and mutual support. Demonstrate, promote, and recognize campus, divisional, and departmental high standards for excellent client service, effective use of resources, professional development, personal accountability, workplace safety, and continuous improvement. Under general supervision of the Associate Director, Hazardous Materials & Radiation Safety, manage the administrative functions of the hazardous waste, hazardous materials shipping, and regulatory liaison programs and help ensure campus compliance with these campus-wide programs. This position is designated as sensitive based on the following criteria, and is subject to a criminal background check: - Access to detailed personally identifiable information about students, faculty, staff, or alumni, which might enable identity theft.
65%	**I. *Hazardous Materials Administration** Manage and implement the administrative functions of the campus-wide chemical waste management program: • Interact with campus clients to ensure efficient and customer-oriented chemical waste management services. • Assure accurate and timely hazardous waste reporting to local, state, and federal regulatory agencies.

PERCENT OF TIME	DUTIES
	• Promote hazardous waste minimization on campus through the implementation of programs such as the Chemical Exchange (CHEX) program. • Administer the chemical waste recharge program. Analyze monthly recharges and program costs to establish recharge rates to accurately capture program costs. Coordinate with the Environmental Management Committee and campus departments regarding recharge methodology, and ensure the chemical waste recharge program operates within appropriate parameters. • Ensure technological resources, including the Comprehensive Waste Tracking System (CWTS), meet program needs and enhance productivity. • Maintain training records for all hazardous material employees and ensure that all employees are appropriately trained. • Prepare reports and fee payments for agencies including: waste minimization plan and reports, Board of Equalization hazardous waste fees, EPA ID Number Verification and Manifest fee, hazardous waste biennial reports, universal waste reports, PCB reports, and others. • Work with EH&S Human Resources Manager to ensure implementation of Department of Transportation drug and alcohol-testing program for EH&S employees in safety sensitive positions and the DMV Pull Notice Program. • Represent UC Berkeley on UC system-wide groups and projects related to hazardous waste management. • Assure all unit and program records are properly maintained. • Coordinate special projects (e.g., laboratory decommissioning, waste minimization projects, campus outreach, sustainability projects/grants), and special waste stream management (e.g., potentially explosive chemicals, gas cylinders, unknown chemicals, universal wastes, controlled substances).
20%	**II. *CUPA Coordinator and Liaison** Serve as the campus liaison to Certified Unified Program Agencies (CUPAs) and represent the campus to these agencies. • Promote ongoing communication with CUPAs and other local agencies. Facilitate monthly meetings with City of Berkeley CUPA and EH&S staff. Facilitate biannual meetings with City of Berkeley CUPA, City of Oakland CUPA, Berkeley Fire Department, Alameda County Fire Department, and EH&S staff. • Prepare reports as requested by all CUPAs with authority for UC Berkeley properties and coordinate payment of fees for CUPA programs. Review and comment on CUPA laws and regulations as appropriate. Prepare and make notifications to agencies regarding hazardous material spills. • Coordinate campus CUPA inspections. Provide consultation to campus departments for inspection preparation, including walk through pre-inspections and meetings as requested. Ensure CUPA inspectors are accompanied by appropriate EH&S staff during inspections of all UC Berkeley properties. Prepare written reports to document campus inspections. • Prepare Hazardous Materials Business Plans/Hazardous Materials Management Plans.
10%	**III. *Hazardous Material Shipping Program** • Oversee campus compliance with all federal and state laws and regulations and local ordinances concerning hazardous materials shipping. • Supervise EH&S Specialist in charge of program development and daily operations.
5%	**IV. Other duties as assigned, including but not limited to:** • Perform other duties upon request. • Serve on office wide special teams. • At the request of campus management (EH&S Director, VC Administration, UCPD Chief, or designated alternate), must be available in a campus disaster or campus hazardous material release/threatened release, to serve in the appropriate emergency response role based upon expertise and, where applicable, designated departmental role.

PERCENT OF TIME	DUTIES
	• Member of the Designated Spill Response Team (DSRT) *(Voluntary assignment unless need arises)* - Provide technical support to the Dedicated Spill Response Team (DSRT) program by serving as a "Designated Responder" every third week. Must be accessible via telephone or pager and readily available to respond on-scene to emergencies (e.g., a chemical spill) during business hours during assigned periods. Will perform directly or coordinate any necessary field activities to evaluate and mitigate a hazard. - Provide technical support to the DSRT program by serving as a "Lead Off-Hours Responder" approximately every third week. Must be accessible by UCPD via telephone or pager and readily available to respond on-scene to emergencies (e.g., a chemical spill) around-the-clock during assigned periods. When on-call, the responder must be within one hour of campus and may not engage in activity that will affect the ability to respond. - To serve as a designated responder, incumbent must meet the specific requirements of the DSRT program as outlined in the EH&S DSRT Program Guidelines. These include occupational physical qualifications. Medical baseline is required. **Required Skills & Knowledge** - BS in chemistry, chemical engineering or related scientific discipline and three (3) years of professional experience in an environmental health and safety program; or an equivalent combination of education and experience; and knowledge and abilities essential to the successful performance of the duties assigned to the position. - Demonstrated experience strategizing, planning and implementing complex environmental programs at a large institution, including experience in Hazardous Material Shipping and Chemical Waste Management. - Knowledge of a vast number of safety and environmental laws and regulations (see "Governing Laws, Regulations, Policies and Procedure" below). - Demonstrated experience representing a large institution as a liaison to regulatory agencies. - Excellent verbal and written communication abilities. **Governing Laws, Regulations, Policies and Procedures** Incumbent's responsibilities are guided by a significant number of federal, state and local laws and regulations, which include (but are not limited to) those that are administered by: Certified Unified Program Agency; Hazardous Waste Management Act; Department of Transportation, Federal; Aviation Administration, Drug Enforcement Agency, International Air Traffic Association. There are numerous municipal, county, state and federal regulators that have jurisdiction over these applicable laws and regulations. • = *Essential Functions*

CERTIFICATE OF EMPLOYEE: I certify that the foregoing information is correct and complete, and describes my job as I understand it.

Kelley Etherington 6-5-07

SIGNATURE DATE

CERTIFICATE OF IMMEDIATE SUPERVISOR AND DEPARTMENT HEAD: I have reviewed the above statements and certify to their accuracy with the exceptions noted here.

2/5/07 2/5/07

SUPERVISOR'S SIGNATURE DATE DEPARTMENT HEAD'S SIGNATURE DATE

UNIVERSITY OF CALIFORNIA

JOB DESCRIPTION
U1607-1 (R7/89) E0390

PERSONNEL USE ONLY

APPROVED TITLE	EFFECTIVE DATE	TITLE CODE	INITIALS	DATE
EH&S Specialist I	8/11/08	7133	CFL	5/16/2008

NAME Andrew Fletcher	EMPLOYEE ID NO.
DEPARTMENT Environment, Health & Safety	CAMPUS Berkeley
PRESENT PAYROLL TITLE EH&S Specialist I	STEP/GRADE Privacy Act
WORKING TITLE IF DIFFERENT Hazardous Materials Supervisor	PERCENT OF TIME 100
SUPERVISOR'S NAME Phil Kruse	SUPERVISOR'S PAYROLL TITLE EH&S Specialist II
DEPARTMENT HEAD'S NAME IF DIFFERENT Mark Freiberg	DEPARTMENT HEAD'S TITLE Director
NAMES OF THOSE SUPERVISED	PAYROLL TITLE / PERCENT OF TIME

STATEMENT OF DUTIES: Describe your regular and most important duties first. Estimate the amount of time spent on each major duty, using percentages, numbers of hours per day, or a similar breakdown.

PERCENT OF TIME	DUTIES
	The Office of Environment, Health & Safety (EH&S) provides guidance and services to the campus community that promote health, safety, and environmental stewardship. The Hazardous Materials Management Program goals for this position are to provide a variety of technical and operational duties ensuring cost-effective, safe, efficient hazardous materials management services on behalf of the campus. **Job Duties Include:** Ensure all subordinate staff understand and support the EH&S mission and vision. Model leadership that is decisive, communicates vision, and provides employees with the support and feedback they need to do their best work. Promote and contribute to a successful team oriented work environment ensuring interdependence and cooperation, constructive and positive communications, and mutual support. Demonstrate, promote, and recognize campus, divisional, and departmental high standards for excellent client service, effective use of resources, workplace safety, professional development, personal accountability, and continuous improvement. Under direct supervision of the Hazardous Materials Operations Manager, provide onsite supervision, operational coordination, support and expertise to hazardous waste technicians while implementing waste collection, segregation, packaging and shipment coordination in compliance with all regulations. The position will also provide direction to onsite contractors, review invoices, make hazardous waste determinations, and promote safe and effective operations. This position is designated as sensitive and is subject to a criminal background check.

PERCENT OF TIME	DUTIES
90%	**I. *Hazardous Waste Generator Program Supervisor:** Supervise technicians responsible for implementing the operational aspects of the chemical waste, radioactive waste, medical waste and off-site hazardous waste programs. Duties include but are not limited to: - Supervise technicians in performing the above operations; trains or recommends training for all waste workers in technical, regulatory, and policy-based program requirements; conducts performance evaluations. Assists in hiring new personnel. - Coordinate hazardous waste collection, segregation, and packaging for shipping according to all federal, state, and local laws. Apply proper methods of handling and disposal. Comply with vendor-specific waste acceptance criteria to ensure efficient waste acceptance while obtaining the most cost effective waste disposal for the university. - Make hazardous waste determinations. Establish new waste stream classifications and profiles for chemical waste not currently included in EH&S's chemical waste disposal contracts. These decisions are based on safety, promoting best environmental management, and economics. - Review invoices for accuracy. Follow up with contractors to correct inaccurate invoices and recommend approval of accurate ones. - Consult with UCB employees on the proper procedures for managing unwanted chemicals. Maintain good working knowledge of federal, state, and local ordinances, regulations, and laws. - Maintain current knowledge of specific requirements imposed by government agencies through reading of statutes, regulations, licenses, and permits; consult with clients and other EH&S staff. - Coordinate Hazardous Material Facility Maintenance - Provide regulatory compliance guidance to other HMMT members - Waste Stream Manager: *Universal Waste* The position is responsible for oversight of the universal hazardous waste program. Universal waste includes unwanted electronic devices, batteries, pesticides, mercury containing equipment, and lamps. These waste streams may be directly handled by other people in Environment Health & Safety (EH&S), Physical Plant-Campus Services (PP-CS), Business Services (BS), Residential Student Services Program (RSSP), and other departments. So as the EH&S liaison with these other offices, effective communications is critical to the job. - Manage other specific UC Berkeley hazardous waste streams as assigned.
10%	**II. Other Duties as assigned, including but not limited to:** - At the request of campus management (EH&S Director, VC Administration, UCPD Chief, or designated alternate), must be available in a campus disaster or campus hazardous material release/threatened release, to serve in the appropriate emergency response role based upon expertise and, where applicable, designated departmental role. - Back-up duties to other HMMT functions - Maintain a California commercial motor vehicle driver's license with a hazardous materials endorsement. - Perform other duties, similar to above listed duties, when requested.

PERCENT OF TIME	DUTIES
	Required Qualifications and Knowledge - College degree in chemistry or a Bachelors of Science with the following course work: analytical chemistry, organic chemistry, inorganic chemistry and physical chemistry plus two years of professional experience in a comprehensive environmental, health and safety program, or an equivalent combination of education and experience. - Experience and expertise in the field of hazardous waste management with knowledge of and ability to interpret technical regulations and guidelines. - Demonstrated successful experience in hazardous waste determinations, sampling and analysis, and contractor oversight. - Demonstrated experience in supervision. - Excellent oral and written communication skills. **Preferred Qualifications and Knowledge** - Prefer Bachelors of Science degree with the following course work: analytical chemistry, organic chemistry, inorganic chemistry and physical chemistry. - The ideal candidate will have at least 5 years progressive experience in hazardous waste management. **Major Governing Laws, Regulations and Procedures** Incumbent's responsibilities are guided by a number of federal, state, and local laws, regulations, and ordinances, and UC Berkeley policies and procedures. The incumbent will interpret technical environmental regulations and guidelines which govern educational institutions in the areas of hazardous materials and waste, hazardous communication, and risk assessment. Responsibilities may be required by laws and regulations administered by the US EPA, California EPA, local Certified Unified Program Agencies, and Department of Transportation. *essential functions

CERTIFICATE OF EMPLOYEE: I certify that the foregoing information is correct and complete, and describes my job as I understand it.

SIGNATURE 8/11/08 DATE

CERTIFICATE OF IMMEDIATE SUPERVISOR AND DEPARTMENT HEAD: I have reviewed the above statements and certify to their accuracy with the exceptions noted here.

FOR PHIL KRUSE 6-23-08 6/23/08

SUPERVISOR'S SIGNATURE DATE DEPARTMENT HEAD'S SIGNATURE DATE

UNIVERSITY OF CALIFORNIA

JOB DESCRIPTION
U1607-1 (R7/89) E0390

PERSONNEL USE ONLY

APPROVED TITLE	EFFECTIVE DATE	TITLE CODE	INITIALS	DATE
Principal EH&S Technician	10/30/06	7141	CD	8/1/2006

NAME Phillip Hayes	EMPLOYEE ID NO. Privacy Act
DEPARTMENT Environment, Health & Safety	CAMPUS Berkeley
PRESENT PAYROLL TITLE Principal EH&S Technician	STEP/GRADE Privacy Act
WORKING TITLE IF DIFFERENT Principal EH&S Technician	PERCENT OF TIME 100%
SUPERVISOR'S NAME Phil Kruse	SUPERVISOR'S PAYROLL TITLE EH&S Specialist II
DEPARTMENT HEAD'S NAME IF DIFFERENT Mark Freiberg	DEPARTMENT HEAD'S TITLE Director
NAMES OF THOSE SUPERVISED	PAYROLL TITLE / PERCENT OF TIME

STATEMENT OF DUTIES: Describe your regular and most important duties first. Estimate the amount of time spent on each major duty, using percentages, numbers of hours per day, or a similar breakdown. Use reverse side.

PERCENT OF TIME	DUTIES
	The Office of Environment, Health and Safety provides guidance and services to the campus community that promote health, safety, and environmental stewardship. **General Duties Include:** Understand and support the EH&S mission and vision. Contribute to a successful team oriented work environment ensuring interdependence and cooperation, constructive and positive communications, and mutual support. Promote and exemplify campus, divisional, and departmental high standards for excellent customer service, effective use of resources, professional development, personal accountability, and continuous improvement. Under general supervision of the chemical waste operations supervisor, works independently to provide hazardous waste management and emergency response service to the UC Berkeley campus and affiliated field stations. This position is designated as sensitive based on the following criteria, and is subject to a criminal background check: - Regular operation of University vehicles as part of assigned job duties **Specific Duties Include:**
70%	*** I. Hazardous Waste Management Program** *Waste Stream Management:* Primary responsibility for the management and disposal of the following waste streams: - Photographic Waste -- Manage the contract with the photographic waste disposal vendor, schedule waste shipments, conduct waste analysis and approve profiles, prepare and sign manifests, and review and process invoices.

PERCENT OF TIME	DUTIES
	- Unknown Wastes – Perform on–site sampling, testing, labeling, and tracking of unknown materials. Supervise contractors conducting sampling and testing of unknown materials across the campus, including College of Chemistry, and record results. Maintain documentation to meet regulatory requirements. *Waste Processing:* Following established technical guidelines, approve materials to be picked up at various on and off campus locations, pick-up prepackaged unwanted materials; verify contents and sort according to chemical compatibility and hazard class; package and prepare hazardous waste for shipping according to Department of Transportation requirements (includes preparing Uniform Hazardous Waste Manifests). Coordinate transportation and disposal of hazardous waste to permitted Treatment, Storage, and Disposal Facilities (TSDF). Support waste minimization efforts. Must maintain a commercial drivers license for hazardous waste transportation.
15%	* **II. Hazardous Materials Facility Operations** - Research and recommend facility improvements to maximize operational efficiency and conduct cost/benefit analyses. Coordinate the purchase of supplies, equipment and materials essential to the chemical waste operation. Identify and recommend supplies to improve waste management processes. Ensure competitive pricing is obtained and supplies, equipment, and materials are adequately stocked. Develop and evaluate improvements in forms and tags used throughout campus for waste management. - Research, evaluate, and implement projects and technologies to improve waste management operations. Coordinate purchase and implementation of technological tools. Provide training on new technology-based waste management methods to Hazardous Materials Management Team (HMMT)
15%	* **III. Perform other duties as assigned, including but not limited to:** - Perform back-up duties for Radioactive Waste Technicians. - Perform back-up duties for other technicians performing chemical waste pick-up on campus. - At the request of campus management (EH&S Director, VC BAS, UCPD Chief, or designated alternate), must be available in a campus disaster or campus hazardous material release/threatened release, to serve in the appropriate emergency response role based upon expertise and, where applicable, designated departmental role.
	Qualifications and Knowledge: - Graduation from high school or General Education Diploma and four years of experience in an environmental health and safety program, or two years of college including appropriate science courses and three years of experience in an environmental health and safety program; or an equivalent combination of education and experience; and knowledge and abilities essential to the successful performance of the duties assigned to the position. - Familiar with hazardous waste management requirements, including Federal, State and local laws and regulations pertaining to proper handling, packaging, transportation and disposal of hazardous waste (see "Governing Laws, Regulations, Policies and Procedures" below). - Knowledge of equipment, technologies, and systems utilized in hazardous waste management. - Possess or obtain valid Commercial Drivers License with a hazardous materials endorsement. Employment contingent upon passing DOT alcohol and drug testing.

PERCENT OF TIME	DUTIES
	Governing Laws, Regulations, Policies and Procedures: Incumbent's responsibilities are guided by federal, state and local laws and regulations, which include (but are not limited to): Hazardous Waste Management Act and Resource Conservation and Recovery Act. Specific requirements for UC Berkeley are outlined in UC Berkeley's hazardous waste management policies and procedures, as approved by Department of Toxic Substances Control. * = Essential Functions

CERTIFICATE OF EMPLOYEE: I certify that the foregoing information is correct and complete, and describes my job as I understand it.

SIGNATURE 11/6/06 DATE

CERTIFICATE OF IMMEDIATE SUPERVISOR AND DEPARTMENT HEAD: I have reviewed the above statements and certify to their accuracy with the exceptions noted here.

SUPERVISOR'S SIGNATURE 8-8-06 DATE

DEPARTMENT HEAD'S SIGNATURE 8/4/06 DATE

UNIVERSITY OF CALIFORNIA

JOB DESCRIPTION
U1607-1 (R7/89) E0390

PERSONNEL USE ONLY

APPROVED TITLE	EFFECTIVE DATE	TITLE CODE	INITIALS	DATE
Senior EH&S Technician	6/1/08	7142	CFL	8/7/2008

NAME Jonathan June	EMPLOYEE ID NO. Privacy Act
DEPARTMENT Environment, Health & Safety	CAMPUS Berkeley
PRESENT PAYROLL TITLE Senior EH&S Technician	STEP/GRADE Privacy Act
WORKING TITLE IF DIFFERENT Hazardous Materials Senior Technician	PERCENT OF TIME 100%
SUPERVISOR'S NAME Phil Kruse	SUPERVISOR'S PAYROLL TITLE EH&S Specialist II
DEPARTMENT HEAD'S NAME IF DIFFERENT Mark Freiberg	DEPARTMENT HEAD'S TITLE Director
NAMES OF THOSE SUPERVISED	PAYROLL TITLE / PERCENT OF TIME

STATEMENT OF DUTIES: Describe your regular and most important duties first. Estimate the amount of time spent on each major duty, using percentages, numbers of hours per day, or a similar breakdown.

PERCENT OF TIME	DUTIES
	The Office of Environment, Health & Safety (EH&S) provides guidance and services to the campus community that promote health, safety, and environmental stewardship. The Hazardous Waste Management Program goals for this position are to operate and maintain hazardous waste management services on behalf of the campus for both on-site and off-site facilities. **Job Duties Include:** Understand and support the EH&S mission and vision. Contribute to a successful team oriented work environment ensuring interdependence and cooperation, constructive and positive communications, and mutual support. Promote and exemplify campus, divisional, and departmental high standards for excellent client service, effective use of resources, workplace safety, professional development, personal accountability, and continuous improvement. Under supervision of the Hazardous Materials Operations Supervisor, works independently to provide hazardous waste management and emergency response service to the UC Berkeley campus and affiliated field stations. This position is designated as sensitive and is subject to a criminal background check.

PERCENT OF TIME	DUTIES
75%	**I. *Hazardous Waste Operations:** **College of Chemistry Waste Collection:** - With the assistance of another EH&S technician or outside contractor, coordinate the collection and transportation of unwanted hazardous materials generated by the College of Chemistry to the central waste processing facility— the Hazardous Materials Facility (HMF). - Following established technical and safety guidelines, collect wastes from individual laboratories; ensure accuracy and quality assurance; proper packaging, marking and chemical compatibility; complete associated paperwork and data entry for record keeping; manage required supplies and equipment. - Interface with lab contacts, resolve minor discrepancies and provide limited on the spot client training or guidance as needed. - Transport of packaged materials to the campus Hazardous Materials Facility (HMF) includes the loading and unloading of materials. **Routine Waste Processing:** - Following established technical guidelines, assist pick-up of prepackaged unwanted materials from campus laboratories and facilities, and transport to the central hazardous waste processing facility (HMF); verify contents, sort, weigh, label and store according to chemical compatibility and hazard class; package and prepare hazardous waste for shipping according to Department of Transportation requirements (may include preparing Uniform Hazardous Waste Manifests). - Coordinate transportation and disposal of hazardous waste to permitted Treatment, Storage, and Disposal Facilities (TSDF). - Support responses to any spills incidental to waste collection processes - Support waste minimization efforts. - Must maintain a commercial driver's license for hazardous waste transportation.
15%	**II. * Manage Supplies** Manage an inventory of current supplies and order new supplies when necessary to maintain hazardous waste operations. Supplies include: drums, containers, labels, personal protective equipment, tape, marking pens, uniform hazardous waste manifests, packing materials, tubs, etc. Research new equipment and vendors, coordinate service of damaged equipment, review invoices, and maintain other facility supplies.
10%	**III. *Other Duties as assigned, including but not limited to:** - Perform other duties, similar to above listed duties, when requested. - Perform back-up duties for operations co-workers when absent. - Perform back-up duties for solvent and solid waste consolidation. - Assist in updating chemical information data in the Comprehensive Waste Tracking System. - At the request of campus management (EH&S Director, VC Administration, UCPD Chief, or designated alternate), must be available in a campus disaster or campus hazardous material release/threatened release, to serve in the appropriate emergency response role based upon expertise and, where applicable, designated departmental role. - Member of Designated Spill Response Team (Voluntary assignment unless need arises) o Provide technical support to the Dedicated Spill Response Team (DSRT) program by serving as a "Designated Responder" approximately every third week. Must be accessible via telephone or pager and readily available to respond on-scene to emergencies (e.g., a chemical spill) during business hours during assigned periods. Will perform directly or coordinate any necessary field activities to evaluate and mitigate a hazard. o Provide technical support to the DSRT program by serving as an "Off hours Responder" approximately every third week. Must be accessible by UCPD via telephone or pager and readily available to respond on-scene to emergencies (e.g., a chemical spill) around-the-clock during assigned periods. When on-call, the responder must be within one hour of campus and may not engage in activity that will affect the ability to respond. o To serve as a designated responder, incumbent must meet the specific requirements of the DSRT program as outlined in the EH&S DSRT Program Guidelines. These include occupational physical qualifications. Medical baseline is required.

PERCENT OF TIME	DUTIES
	Qualifications and Knowledge: - Graduation from high school or General Education Diploma and four years of experience in an environmental health and safety program, or two years of college including appropriate science courses and three years of experience in an environmental health and safety program; or an equivalent combination of education and experience; and knowledge and abilities essential to the successful performance of the duties assigned to the position. - Familiar with hazardous waste management requirements, including Federal, State and local laws and regulations pertaining to proper handling, packaging, transportation and disposal of hazardous waste (see "Governing Laws, Regulations, Policies and Procedures" below). - Knowledge of equipment, technologies, and systems utilized in hazardous waste management. - Good communication skills and ability to operate in a team environment. - Possess or obtain valid Commercial Drivers License with a hazardous materials endorsement. Employment contingent upon passing DOT alcohol and drug testing. **Governing Laws, Regulations, Policies, and Procedures:** Incumbent's responsibilities are guided by federal, state and local laws and regulations, which include (but are not limited to): Hazardous Waste Management Act and Resource Conservation and Recovery Act. Specific requirements for UC Berkeley are outlined in UC Berkeley's hazardous waste management policies and procedures, as approved by Department of Toxic Substances Control. * = Essential Functions

CERTIFICATE OF EMPLOYEE: I certify that the foregoing information is correct and complete, and describes my job as I understand it.

SIGNATURE 8/21/08 DATE

CERTIFICATE OF IMMEDIATE SUPERVISOR AND DEPARTMENT HEAD: I have reviewed the above statements and certify to their accuracy with the exceptions noted here.

SUPERVISOR'S SIGNATURE 8/21/08 DATE

DEPARTMENT HEAD'S SIGNATURE 8/12/08 DATE

UNIVERSITY OF CALIFORNIA

JOB DESCRIPTION

U1607-1 (R7/89)
E0390

PERSONNEL USE ONLY

APPROVED TITLE	EFFECTIVE DATE	TITLE CODE	INITIALS	DATE
EH&S Spec II	10/6/03			

NAME Phil Kruse	EMPLOYEE ID NO. Privacy Act
DEPARTMENT Environment, Health & Safety (EH&S)	CAMPUS Berkeley
PRESENT PAYROLL TITLE EH&S Specialist II	STEP/GRADE Privacy Act
WORKING TITLE IF DIFFERENT EH&S Specialist	PERCENT OF TIME 100%
SUPERVISOR'S NAME Heather Randol	SUPERVISOR'S PAYROLL TITLE EH&S Specialist
DEPARTMENT HEAD'S NAME IF DIFFERENT Mark Freiberg	DEPARTMENT HEAD'S TITLE Director
NAMES OF THOSE SUPERVISED	PAYROLL TITLE / PERCENT OF TIME

STATEMENT OF DUTIES: Describe your regular and most important duties first. Estimate the amount of time spent on each major duty, using percentages, numbers of hours per day, or a similar breakdown. Use reverse side.

PERCENT OF TIME	DUTIES
	Temporary Job Description for duration of Pilot Program (10/6/03 - 4/6/04) which does not replace the permanent job description dated 4/3/1998. The Office of Environment, Health and Safety's mission is to promote health, safety and environmental protection in teaching, research, public service and administrative activity by providing expertise, programs, direct services and compliance assistance. **Job Duties Include:** Understand and support the mission, vision, purpose and objectives of the Office of Environment, Health & Safety (EH&S). Support and implement a team-oriented work environment, ensuring intra- and inter-team/unit cooperation, communication and professionalism. Maintain and contribute to an atmosphere of mutual support and back-up within assigned work groups, teams and units to encourage interdependence, dialogue and productivity. Participate in strategies that maintain a team-solution-oriented system as appropriate. Maintain and participate in constructive and positive communications amongst the members of work groups, teams and EH&S units. As a supervisor in the Hazardous Materials and Radiation Safety Team, assist the Team Manager in promoting the principles of good personnel management and human resources administration. Implement the Chancellor's Management Expectations, the BAS Management Philosophy and the Chancellor's Human Resource Philosophy.
70%	**I. *Hazardous Chemical Re-use and Waste Program Management:** Under general supervision, manage all aspects of the operational components of the campus chemical waste program. This includes independently developing, supervising, and conducting the program. Specific duties include:

Retention Period: As long as job is active (Use reverse side if more room is necessary.)

PERCENT OF TIME	DUTIES
	• Reviews and approves hazardous material pick up request forms to help ensure that items are appropriately packaged and safe for transportation. • Picks up chemical waste from laboratories and waste accumulation areas both on and off-site and transports it to the campus Hazardous Material Facility (HMF). • Sorts/classifies and segregates chemical waste at the HMF and at off-site facilities. • Packages, labels and stages chemical waste for transportation. • Assures proper disposal of chemical waste. Coordinates transportation and disposal to treatment, storage and disposal facilities. Communicates with transportation and disposal vendors to ensure that all shipped waste meets federal, State, and local ordinances, laws, regulations and vendor specific waste acceptance criteria. • Supervises three EH&S Technicians and one EH&S Specialist in performing the above operations; trains or recommends training for all waste workers in technical, regulatory, and policy-based program requirements; conducts performance evaluations. Assists in hiring new chemical waste personnel. Provides work direction to chemical waste labor contractors and student assistants when needed to supplement EH&S chemical waste staff. • Develops and keeps Standard Operating Procedures (SOPs) current. • Assists in developing chemical waste labor, and transportation and disposal contracts. Primary liaison with hazardous waste labor contractor. Reviews invoices for payment. • Analyzes the hazards of unknown chemicals using standard laboratory approaches. • Maintains the HMF and equipment in safe operating condition. This includes building repairs and improvements, calibrating floor scales, changing out air filters, evaluating equipment needs, performing inspections, maintaining records, and writing purchase orders. • Provides technical assistance to university staff and faculty on chemical waste packaging, labeling, and transportation and disposal issues.
15%	**II. *Spill Response:** At the request of campus management (EH&S Director, VC BAS, UCPD Chief, or designated alternate), must be available to serve as a spill responder to campus hazardous material releases or threatened release, or as a technical resource or support person for any EH&S spill response activities. Provide technical support to the EH&S Dedicated Spill Response Team (DSRT) Program by serving as a "Designated Responder" every other week. Must be accessible via telephone or pager and readily available to respond on-scene to emergencies (e.g., a chemical spill) during business hours during assigned periods. Will perform directly or coordinate any necessary field activities to evaluate and mitigate a hazard. Provide technical support to the DSRT Program by serving as a "Lead Off hours Responder" every third week. Must be accessible by UCPD via telephone or pager and readily available to respond on-scene to emergencies (e.g., a chemical spill) around the clock during assigned periods. Must maintain the ability to effectively respond and be within 50 miles or one hour of the campus. To serve as a designated responder, incumbent must meet the specific requirements of the DSRT Program as outlined in the EH&S DSRT Program Guidelines. These include bonafide occupational physical and mental qualifications. Medical baseline is required.

PERCENT OF TIME	DUTIES
10%	**III. *Special Projects:** Responsible for planning, coordination of resources, and record keeping for multiple simultaneous special projects requiring outside hazardous waste contractor support. Special projects include: laboratory decommissioning, one-time waste disposals and laboratory/facility clean-outs. Act as liaison with project managers and waste contractors, attend planning meetings and job walks, assist with budgeting, and help ensure project needs are met while minimizing hazardous waste generation and costs. Coordinate or perform sampling analysis for waste determination and decontamination verification. Collect recharges, pay invoices, and document all required regulatory paperwork. Participate as a member in the Construction Coordination Group.
5%	**IV. Other Duties:** • Perform other duties, similar to above listed duties, when requested. • Maintain a California commercial motor vehicle driver's license with a hazardous materials endorsement. • Lead emergency field teams responding to hazardous material releases in a campus-wide disaster.
	Major Governing Laws, Regulations and Procedures: Incumbent's responsibilities are guided by a significant number of federal, state, and local laws, regulations, and ordinances. Most of which are found in: California Health & Safety Codes §§25100-2549; §§ 25340-25392; § 25201 Occupational Health and Safety Act (Fed-OSHA) California Code of Regulations: Titles 8, 22, (Cal-OSHA) Federal Laws: RCRA, CERCLA, and SARA Code of Federal Regulations: 40 CFR §261; §263; §§264-267; §§300-311
	Qualifications and Knowledge: Demonstrated experience in related environmental, health and safety programs. Required knowledge of appropriate regulations related to generation, handling, and management and disposal of chemical waste, including pollution prevention and waste minimization. Bachelor of science degree in chemistry preferred or equivalent knowledge. Demonstrated experience in a large academic research environment is preferred.
	*** Essential Functions**

CERTIFICATE OF EMPLOYEE: I certify that the foregoing information is correct and complete, and describes my job as I understand it.

SIGNATURE 9-25-03 DATE

CERTIFICATE OF IMMEDIATE SUPERVISOR AND DEPARTMENT HEAD: I have reviewed the above statements and certify to their accuracy with the exceptions noted here.

SUPERVISOR'S SIGNATURE 9/23/03 DATE

DEPARTMENT HEAD'S SIGNATURE 9/23/03 DATE

UNIVERSITY OF CALIFORNIA

JOB DESCRIPTION

U1607-1 (R7/89)

PERSONNEL USE ONLY

APPROVED TITLE	EFFECTIVE DATE	TITLE CODE	INITIALS	DATE
Prinicipal EH&S Technician	5/1/2005	7141		

NAME Andy Ng	EMPLOYEE ID NO. Privacy Act
DEPARTMENT Environment, Health and Safety (EH&S)	CAMPUS Berkeley
PRESENT PAYROLL TITLE Principal EH&S Technician	STEP/GRADE Privacy Act
WORKING TITLE IF DIFFERENT Principal EH&S Technician	PERCENT OF TIME 100%
SUPERVISOR'S NAME Julia Ryan	SUPERVISOR'S PAYROLL TITLE EH&S Specialist
DEPARTMENT HEAD'S NAME IF DIFFERENT Mark Freiberg	DEPARTMENT HEAD'S TITLE Director
NAMES OF THOSE SUPERVISED	PAYROLL TITLE / PERCENT OF TIME

STATEMENT OF DUTIES: Describe your regular and most important duties first. Estimate the amount of time spent on each major duty, using percentages, numbers of hours per day, or a similar breakdown. Use reverse side.

PERCENT OF TIME	DUTIES
	The Office of Environment, Health and Safety's mission is to provide guidance and services to the campus community that promote health, safety and enviromental stewardship. The Hazardous Waste Management Program goals for this position are to provide radioactive waste management services to campus clients. **Job Duties Include:** Understand and support the EH&S mission and vision. Contribute to a successful team oriented work environment ensuring interdependence and cooperation, constructive and positive communications, and mutual support. Promote and exemplify campus, divisional, and departmental high standards for excellent customer service, effective use of resources, professional development, personal accountability, and continuous improvement. At the request of campus management (EH&S Director, VC BAS, UCPD Chief, or designated alternate), must be available in a campus disaster or campus hazardous material release/threatened release, to serve in the appropriate emergency response role based upon expertise and, where applicable, designated departmental role.
40%	**I. *Radioactive Waste Management Program** Coordinate activities to collect, monitor/sample, segregate, package, stage, and track radioactive wastes according to Radioactive Waste Program procedures. a) Collect: Coordinate the daily activities and pick up wastes (in bottles, boxes, or drums) at various campus locations. Monitor waste containers and each generating or staging site for radioactive contamination; record findings. Address client service needs. Transport the radioactive waste to the staging facility.

(Use reverse side if more room is necessary.)

PERCENT OF TIME	DUTIES
	b) Monitor/Sample: Use radiation detectors with pancake and scintillation probes to survey for contamination. Use liquid scintillation counting to measure contamination of surface swipes and activity of liquid waste samples. c) Segregate: Responsible for sorting and segregating waste by radioisotope; chemical hazard characteristics; federal, state and local regulations; and disposal site waste acceptance criteria. d) Package: Oversee the packaging and labeling of radioactive waste for decay or shipment to permitted disposal sites following Department of Transportation requirements. Maintain records according to federal, state, and campus Radioactive Use Authorization requirements as well as departmental needs. e) Stage: Organize and stage waste for shipments. Prepare waste documents, samples, and activity and contamination reports required for shipping. f) Track: Prepare radioactive materials packing lists, radioactive waste shipping papers, transfer and release reports, and other required documents. Enter data in the Comprehensive Waste Tracking System (CWTS) and assist in preparing daily, monthly, and other radioactive waste reports needed by the department.
35%	**II. *Medical Waste Management Program** Coordinate activities to close, label, and prepare medical wastes for pick up in accordance with the Medical Waste Management Plan. a) Coordinate weekly activities: Survey waste accumulation areas for housekeeping and general compliance and record findings. Address client service needs. Transport medical waste to the accumulation areas as needed. b) Close: Close and secure lids to tubs assuring the weight of each tub does not exceed 45 lbs. c) Label: Label each tub with the UC Berkeley identifyer provided by the contractor. Assure each tub is properly labeled with biohazard symbols and required marking and labeling to meet Department of Transportation requirements. d) Prepare: Prepare tubs for weekly removal by the contractor and set up empty tubs to replace full tubs. e) Track: Record the number of tubs at each location for removal to use in verifying manifest data. Check the manifests to assure the contractor has removed the same number of tubs. File manifests in the Medical Waste Management Program files.
15%	**III. *Perform back-up duties for Hazardous Waste Operations** As needed, collect and process chemical materials and waste.
5%	**IV. *Dedicated Spill Response Team:** Provide technical support to the EH&S Dedicated Spill Response Team (DSRT) Program by serving as a "Designated Responder" every other week. Must be accessible via telephone or pager and readily available to respond on-scene to emergencies (e.g., a chemical spill) during business hours when assigned. Provide technical support to the DSRT Program by serving as an "Off-hours Responder" every third week. Must be accessible via telephone or pager and readily available to respond on-scene to emergencies (e.g., a chemical spill) around the clock during assigned periods. This is an "unrestricted" on-call position. Must maintain the ability to effectively respond and be within 50 miles or one hour of the campus.

PERCENT OF TIME	DUTIES
	To serve as a designated responder, incumbent must meet the specific requirements of the DSRT Program as outlined in the EH&S DSRT Program Guidelines. These include bonafide occupational physical and mental qualifications. Medical baseline is required.
5%	**V. *Other Duties as Assigned. These include, but are not limited to:** - Perform routine maintenance activities at the Hazardous Material Facility. - Maintain facilities and equipment in clean, orderly and safe operating condition. - Assist in developing new forms and improving work processes.
	Required Knowledge and Skills - Graduation from high school or a General Education Diploma and four years of experience in an environmental health and safety program, or two years of college including appropriate science courses and three years of experience in an environmental safety program; or an equivalent combination of education and experience; and knowledges and abilities essential to the successful performance of the duties assigned to the position. - Must be familiar with hazardous waste management requirements, including Federal, State and local laws and regulations pertaining to proper handling, packaging, transportation and disposal of hazardous waste (see "Governing Laws, Regulations, Policies and Procedures" below). - Must maintain a commercial drivers license for driving hazardous and radioactive waste. - Hazwoper and DOT Shipping certification.
	Governing Laws, Regulations, Policies and Procedures. Incumbent's responsibilities are guided by a significant number of federal, state, and local laws and regulations, which include (but are not limited to): - Cal/OSHA standards (as applicable) - City of Berkeley Hazardous Materials Ordinance - DOT Hazardous Materials Transportation Regulations (49 CFR 171-180) - EPA Hazardous Waste Regulations - Medical Waste Management Act - Radiation Control Laws and Regulations
	Campus policies and procedures, which include (but are not limited to), Campus Radioactive Materials License, Campus Radiation Safety Manual, and Radioactive Waste Program Radiation Use Authorizations
	*** = Essential Function**

CERTIFICATE OF EMPLOYEE: I certify that the foregoing information is correct and complete, and describes my job as I understand it.

SIGNATURE _____ DATE 1/3/06

CERTIFICATE OF IMMEDIATE SUPERVISOR AND DEPARTMENT HEAD: I have reviewed the above statements and certify to their accuracy with the exceptions noted here.

SUPERVISOR'S SIGNATURE _____ DATE 12/5/05

DEPARTMENT HEAD'S SIGNATURE _____ DATE 12/2/05

UNIVERSITY OF CALIFORNIA

JOB DESCRIPTION
U1607-1 (R7/89) E0390

PERSONNEL USE ONLY

APPROVED TITLE	EFFECTIVE DATE	TITLE CODE	INITIALS	DATE
EH&S Specialist I	02/01/08	7133	CFL	2/13/2008

NAME Mark VanValkenburgh	EMPLOYEE ID NO. Privacy Act
DEPARTMENT Environment, Health & Safety	CAMPUS Berkeley
PRESENT PAYROLL TITLE EH&S Specialist I	STEP/GRADE Privacy Act
WORKING TITLE IF DIFFERENT Chemical Waste Specialist	PERCENT OF TIME 100%
SUPERVISOR'S NAME Phil Kruse	SUPERVISOR'S PAYROLL TITLE EH&S Specialist II
DEPARTMENT HEAD'S NAME IF DIFFERENT Mark Freiberg	DEPARTMENT HEAD'S TITLE Director
NAMES OF THOSE SUPERVISED	PAYROLL TITLE / PERCENT OF TIME

STATEMENT OF DUTIES: Describe your regular and most important duties first. Estimate the amount of time spent on each major duty, using percentages, numbers of hours per day, or a similar breakdown.

PERCENT OF TIME	DUTIES
	The Office of Environment, Health & Safety (EH&S) provides guidance and services to the campus community that promote health, safety, and environmental stewardship. The Hazardous Materials Management Program goals for this position are to provide a variety of technical and operational duties ensuring cost-effective, safe, efficient hazardous materials management services on behalf of the campus. **JOB DUTIES INCLUDE:** Understand and support the EH&S mission and vision. Contribute to a successful team oriented work environment ensuring interdependence and cooperation, constructive and positive communications, and mutual support. Promote and exemplify campus, divisional, and departmental high standards for excellent customer service, effective use of resources, professional development, personal accountability, and continuous improvement.
85%	**I. *Chemical Waste Disposal Program** - Makes hazardous waste determinations and assures unwanted material pick up request forms are properly completed and the materials are safe for transportation to the Hazardous Materials Facility (HMF). This includes designating the appropriate hazardous classifications and method of handling and disposal. These decisions are based on safety, promoting best environmental management, and economics. - Establishes new waste stream classifications and profiles for chemical waste not currently included in EH&S's chemical waste disposal contracts. - Coordinates shipments of hazardous waste with transporters and treatment, storage, disposal facility (TSDF) contractors ensuring waste is picked up within 90 days. Works with TSDF contractors to gain approval to send UCB generated waste to their site and informs Hazardous Materials Management Team (HMMT) members of any vendor restrictions and all waste acceptance criteria. Prepares shipping papers—Uniform Hazardous Waste Manifests, Bills of Lading, and Land Disposal Restriction forms. Works with HMMT and contracted technicians to ensure waste is properly segregated and packaged in appropriate containers, labeled, and safe for transport. Assists with loading the waste and designates

PERCENT OF TIME	DUTIES
	the appropriate placarding. Determines when DOT Exemptions can or must be used to transport certain chemicals. - Reviews invoices for accuracy. Follows up with contractors to correct inaccurate invoices and recommends approval of accurate ones. - Consults with UCB employees on the proper procedures for managing unwanted chemicals. Maintains good working knowledge of federal, State, and local ordinances, regulations, and laws. Prepares letters to regulators for supervisor's signature.
10%	**II. *Controlled Substance** - Coordinates the disposal of unwanted controlled substances. Ensures all forms are completed properly, items are picked up timely (within 10 days of request), properly packaged, labeled and placed in a secure location. Works with disposal vendors to arrange acceptance and transportation of all unwanted controlled substances. - Keeps procedures and the EH&S Help Sheet updated. - Keeps up with changing and new federal Drug Enforcement Agency and EPA regulations ensuring compliance.
5%	**III. Other Duties as Assigned, Including but not Limited to:** - Participates in and supports various intra-office work groups and projects. - At the request of campus management (EH&S Director, VC Administration, UCPD Chief, or designated alternate), must be available in a campus disaster or campus hazardous material release/threatened release, to serve in the appropriate emergency response role based upon expertise and, where applicable, designated departmental role. **Major Governing Laws, Regulations and Procedures** Incumbent's responsibilities are guided by a significant number of federal, State, and local laws, regulations, and ordinances. Most of which are found in: • California Health & Safety Codes §§25100-2549;§25340-25392; §25201 • California Code of Regulations: Titles 8, 22, (Cal-OSHA) • Federal Laws: RCRA, CERCLA, and SARA • Code of Federal Regulations: 40 CFR §261; §263; §§264-267; §§300-311 **Qualifications and Knowledge** Demonstrated experience in related Environmental, Health and Safety programs. Required knowledge of appropriate regulations related to generation, handling, management and disposal of chemical waste, including pollution prevention and waste minimization. Demonstrated experience in a large academic research environment is preferred. *** = essential functions**

CERTIFICATE OF EMPLOYEE: I certify that the foregoing information is correct and complete, and describes my job as I understand it.

Mark VanValkenburgh 3-6-08
SIGNATURE DATE

CERTIFICATE OF IMMEDIATE SUPERVISOR AND DEPARTMENT HEAD: I have reviewed the above statements and certify to their accuracy with the exceptions noted here.

2-29-08 2/28/08
SUPERVISOR'S SIGNATURE DATE DEPARTMENT HEAD'S SIGNATURE DATE

UNIVERSITY OF CALIFORNIA

JOB DESCRIPTION
U1607-1 (R7/89)
E0390

PERSONNEL USE ONLY

APPROVED TITLE	EFFECTIVE DATE	TITLE CODE	INITIALS	DATE
EH+S Specialist II	4/1/00	7135		

JM 3/13/03

NAME FIELD, Henry M.	EMPLOYEE ID NO. Privacy Act
DEPARTMENT Environment, Health & Safety	CAMPUS Berkeley
PRESENT PAYROLL TITLE EH&S Specialist II	STEP Privacy Act
WORKING TITLE IF DIFFERENT Environmental Construction Specialist	PERCENT OF TIME 100%
SUPERVISOR'S NAME (Vacant Position)	SUPERVISOR'S PAYROLL TITLE EH&S Specialist III (Construction Program Coordinator)
DEPARTMENT HEAD'S NAME IF DIFFERENT Susan L. Spencer	DEPARTMENT HEAD'S TITLE Director
NAMES OF THOSE SUPERVISED	PAYROLL TITLE / PERCENT OF TIME

STATEMENT OF DUTIES: Describe your regular and most important duties first. Estimate the amount of time spent on each major duty, using percentages, numbers of hours per day, or a similar breakdown. Use reverse side.

PERCENT OF TIME	DUTIES
	The Office of Environment, Health and Safety's mission is to promote health, safety and environmental protection in teaching, research, public service and administrative activity by providing expertise, programs, direct services and compliance assistance. In order to effectively support the 200+ major and minor capital construction projects, EH&S has identified a significant need to provide technical expertise to all construction projects for multimedia (air, water, soil, waste) environmental compliance. Emissions to air, ground, and water and hazardous waste generation or disposal would be within the jurisdiction of this position. EH&S functional teams covered by this position are Air/Water Programs and Hazardous Waste Management programs. By providing this expertise, compliance issues which might normally create significant delays to construction timelines and increase costs can be minimized or mitigated. The position has campus wide scope and impact and is required to apply knowledge and expertise from multiple specialties within several disciplines. Problem resolution is likely to range from moderate to highly complex technical approaches. **Job Duties to Include:** Understand and support the mission, purpose and objectives of the Office of Environment, Health and Safety. Understand and support the EH&S Office Philosophy. Support and implement a team-oriented work environment, ensuring intra- and inter-team/unit cooperation, communication and professionalism. Maintain and contribute to an atmosphere of mutual support and back-up within assigned work groups, teams and units to encourage interdependence, exchange and productivity. Participate in strategies which maintain a team-solution-oriented system as appropriate. Maintain and participate in constructive and positive communications amongst the members of work groups, teams and EH&S units. Under general supervision of the EH&S Construction Program Coordinator and with oversight from the Air and Water Programs Manager and Hazardous Waste Management Team Manager, the incumbent develops and implements programs/procedures to provide technical expertise to construction projects for multimedia (air, water, soil, waste) environmental compliance and permitting. The incumbent oversees decontamination (Use reverse side if more room is necessary)

Retention Period: As long as job is active

PERCENT OF TIME	DUTIES
	of laboratories and other facilities and acts as an EH&S representative and liaison for campus laboratory surge (relocation) issues. The incumbent independently crafts written reports and regulatory documentation, coordinates work with members of all EH&S technical teams (AWP, HWMT, H&S, and FPD), provides expertise or acts as liaison to campus construction departments (CP, PP-CS, AFO), develops hazardous materials sampling plans, and interprets environmental analytical data. The incumbent also assists in providing information to the campus community and the general public.
50%	**I. *Hazardous Waste Management - Construction Resource and Consultant** Develop and independently perform planning and general hazardous waste functions related to construction. Profile construction site and laboratory facility decontamination project waste, including all unwanted chemicals and project generated waste. Complete waste manifests and shipping documents. Review material packing lists, CEQA-related, and other documents, conduct plan check of blueprints, provide and/or review specifications and contingency plans to address hazardous waste requirements for waste accumulation, treatment, and mitigation monitoring. Review and assess consultant proposals for laboratory and facility decontamination and waste management. Coordinate and oversee decontamination of laboratories and other equipment or surfaces contaminated with hazardous chemicals. Characterize wastes for disposal, determine and oversee that proper packaging and recordkeeping of all decontamination waste occurs. Coordinate or direct hazardous waste contractors performing decontamination, packaging, transportation, and disposal. Report on hazardous waste compliance. Develop and oversee implementation of hazardous waste management guidelines or specifications for construction projects. Review construction project specifications and plans to assess hazardous waste requirements for waste accumulation, treatment, and mitigation monitoring. Sample and submit for analysis construction debris, soils, water, and other contaminated materials. Based on this analysis, determine appropriate waste disposal requirements and methods for these materials. Possible contaminants include: asbestos, lead, mercury, PCBs, petroleum hydrocarbons and other hazardous materials. Coordinate appropriate containers and proper packaging of waste. Ensure appropriate documentation and compliance for waste shipping. Act as regulatory agency liaison and coordinate agency inspections. Act as consultant to construction project managers and inspectors, and contractors responsible for hazardous waste accumulation areas (WAAs). Ensure appropriate compliance of WAAs. Provide formal documentation and recordkeeping for construction site hazardous wastes and activities. Ensure all EH&S contractor costs are recharged to appropriate departments.
25%	**II. *Environmental (Air and Water Programs) Oversight - Construction Resource and Consultant** Develop and independently perform planning and general environmental oversight functions related to construction. Review CEQA-related and other documents, conduct plan check of blueprints, review contingency plans to assess compliance with air emissions regulations, underground storage tank installation, sanitary and storm sewer drainage and groundwater protection. Evaluate construction storm water pollution prevention plans for best management practices and administration (Notices of Intent and Notices of Termination). Assist campus construction departments to obtain appropriate permits from, or to complete applications to, various local, city, regional, county, and state entities. Permits may include but are not limited to: Air District Authority to Construct and Permit to Operate, underground storage tanks and emergency containment tanks permits, and wastewater discharge and NPDES permits for construction site discharges. Incumbent completes and maintains appropriate written documentation on all construction site environmental compliance activities. Act as technical consultant and resource to construction departments, managers and contractors on surface and waste water issues. Provide guidance on storm and non- stormwater discharges to prevent unauthorized discharges of earthen materials, chloramines and other pollutants from construction projects to surface waters. Contribute to campus mitigation monitoring efforts and oversight of implementation of construction SWPPPs. Monitor discharge to and provide sampling and analytical services to determine impacts of construction site discharges into surface waters (Strawberry Creek). Coordinate or assess drain disposal water discharges from

PERCENT OF TIME	DUTIES
	laboratory and facility decontamination, lead abatement and construction projects to ensure compliance to standards. Provide technical guidance and expertise for groundwater protection from proposed and ongoing construction activity. For UST removal, and contaminated soil assessment and remediation, review specifications, provide oversight for removal and coordinate with CUPA and appropriate fire jurisdiction. Coordinate agency inspections, produce appropriate regulatory documentation, compile due diligence property assessments with historical detail and contamination potential. Develop and recommend scope of work for Phase II assessment of contaminated sites.
20%	**III. *EH&S Surge Coordinator** Act as the primary liaison between EH&S technical staff and campus building managers for buildings containing hazardous materials whose occupants are relocating (surging) to alternate facilities. Provide technical guidance (both oral and written) to building occupants and managers to communicate EH&S issues related to laboratory relocation and close-out. These issues include but are not limited to: laboratory waste disposal, EH&S chemical exchange program, chemical inventory updates, laboratory decontamination, safe chemical packaging and transport, research oversight committee interface, and minimum laboratory design requirements.
5%	**IV. Other Duties** Provide assistance or oversee EH&S Emergency Response Team and/or contractor response to spills of hazardous materials or prohibited surface water discharges (sediments, potable chloraminated water) at construction sites. Ensure that appropriate documentation is completed and distributed. At the request of campus management (EH&S Director, VC BAS, UCPD Chief, or designated alternate), must be available to serve as an emergency responder to campus hazardous material release or threatened release, or as a technical resource or support person for any EH&S emergency response activities. Miscellaneous duties as assigned. **Qualifications & Knowledge** Demonstrated experience in related environmental, health and safety programs and construction management programs. Required knowledge of appropriate regulations related to generation, handling, management, and disposal of chemical waste, including pollution prevention and waste minimization. Demonstrated successful experience in a large academic research environment is preferred. **Governing Laws, Regulations, Policies And Procedures** Incumbent's responsibilities are guided by a significant number of federal, state, and local laws and regulations. There are municipal, regional, county, state, and federal regulators that have jurisdiction, often overlapping, over impacted activities. The following environmental subject areas each have multiple laws and regulations which apply to UC Berkeley: Worker Health and Safety, Hazardous Waste Management, California Superfund/Real Property Cleanups, Air Quality Management, Hazardous Materials Abatement, Water Quality Protection, Underground Storage Tanks, Land Use/California Environmental Quality Act (CEQA), Natural Resource/Endangered Species, Surface Water Protection, and Solid Waste Management/Recycling. Specific laws and regulations are too numerous to list. * = essential functions

CERTIFICATE OF EMPLOYEE: I certify that the foregoing information is correct and complete, and describes my job as I understand it.

SIGNATURE 3/16/00 DATE

CERTIFICATE OF IMMEDIATE SUPERVISOR AND DEPARTMENT HEAD: I have reviewed the above statements and certify to their accuracy with the exceptions noted here.

SUPERVISOR'S SIGNATURE 12/17/99 DATE

DEPARTMENT HEAD'S SIGNATURE 12/16/99 DATE

OHR Approved Grade: *MSP II/Principal EH&S Specialist* *Effective Date:* *September 1, 2004*

University of California, Berkeley
Office of Environment, Health and Safety
POSITION DESCRIPTION

Incumbent	Patrick T. Goff
Supervisor	Mark Freiberg, Director
Working Title	Associate Director, Hazardous Materials & Radiation Safety
Current Grade/Classification	MSP II, Principal EH&S Specialist

OVERVIEW:

The Office of Environment, Health & Safety (EH&S) oversees campus compliance with environmental, health and safety legal requirements; developing and implementing comprehensive programs to maintain a safe and healthful environment on the Berkeley campus so that the research, education and public service mission of the University can continue. It is the sole office charged with this oversight responsibility for campus departments and managed facilities, although it collaborates extensively with specific units in academic (VC-Research) and administrative (VC-Capital Projects, VC-BAS) divisions.

The Associate Director for Hazardous Materials & Radiation Safety (AD) operates with broad authority as delegated by the Director, providing leadership and management over two technical teams: Hazardous Materials Team and Radiation Safety Team. He directs program development, compliance consultation, and services associated with hazardous materials laws and regulations applicable to campus/facilities. He is the campus expert and resource on hazardous materials management and disposal, and oversees the development of new radiation safety programs and the evolution of existing programs, and provides leadership and supervision to the Radiation Safety Team.

The incumbent has significant responsibility for assessing and recommending short term and long range EH&S and team strategies and policies to meet compliance and budgetary challenges. Manages resources for the teams to ensure achievement of programmatic objectives of the team and office goals. Supports and implements Chancellor's goals, BAS Excels Initiatives, and AVC-BAS Balanced Scorecard system.

The two teams directly support regulatory compliance by developing and implementing campus programs. The Hazardous Materials team focuses on hazardous chemical materials inventory; hazardous materials shipping; and hazardous chemical, radioactive, medical, and controlled substance waste disposal programs. The Radiation Safety team focuses on radiation safety, inventory control, and other compliance issues related to the campus's State License for use of radioactive materials. These comprehensive programs and initiatives protect the campus from legal sanctions and minimize the campus' financial exposure associated with non-compliance of applicable laws.

ACCOUNTABILITY:

Incumbent has primary and significant accountability for Hazardous Materials and Radiation Safety for compliance programs with broad and independent discretion; significant operational autonomy; and authority to direct, manage, and implement these campuswide programs. Incumbent is the primary liaison between the campus and various external regulatory agencies.

These programs are campus-wide spanning academic/non-academic operations and campus off-site facilities. Municipalities and regions bordering the campus are also impacted. Radioactive and hazardous materials management/waste disposal and radiation safety are politically charged topics for the local and activist community. Further, environmental laws assign permanent responsibility and damage liability to the campus for hazardous waste even after it is shipped offsite for disposal irrespective of negligence or misconduct of others. These carry heavy penalties and associated costs including possible imprisonment of UC officials.

RESPONSIBILITIES:

Incumbent is responsible for two major technical disciplines (Hazardous Materials Management and Radiation Safety) with significant stand-alone and complex programs.

PROGRAMS

Hazardous Materials Management

- Hazardous Chemical Waste Disposal
- Controlled Substance Disposal
- Hazardous Chemical Materials Reuse
- Radioactive Waste Disposal
- Medical Waste Disposal
- Radioactive Waste Decay
- Hazardous Waste Tracking (CWTS)
- Hazardous Materials Business Plan
- Waste Minimization
- Disposal Facility Audit
- Hazardous Materials Shipping

Radiation Safety Team

- Radiation Safety Licensing
- Radiation Use Authorization
- Radiation Safety Construction Support
- Radiation Safety Surveys
- Meter Calibration
- Radioactive Material Delivery Inventory Management
- Sealed Source Lead Detection
- Dosimetry
- Radiation User Training

The principal responsibilities are:

- Establish, implement, and maintain goals and objectives for the Teams to carry out critical functions and activities. Direct, coordinate, monitor, evaluate, and continuously improve the activities and progress of all the activities and progress of the programs identified. Promote the principles of good personnel management and human resources administration.

- Ensure all team members understand and support the EH&S mission, shared vision and strategic plan. Promote and establish a team oriented work environment, ensuring intra-and inter- team/unit cooperation, communication and professionalism. Establish an atmosphere of mutual support and back up within the group, encouraging interdependence, exchange and productivity as a group and as a unit. Encourage and maintain constructive and positive communications among the group members, EH&S teams, and other campus units and departments.

- Manage the Teams' budget to ensure delivery of ongoing and long-range compliance programs and maintain annual fiscal control within designated parameters. Participate in the annual budget review, development, and positioning of EH&S budgetary proposals and recharge programs to implement the EH&S mission.

- Establish, enforce and promote a culture of safety and compliance among all staff supervised directly or indirectly.

- With significantly increased campus construction, oversee the support to chemical and radioactive laboratory decontamination projects, providing project staff with training on proper hazardous waste management and overseeing hazardous waste disposal on multiple construction projects across campus.

- Serve as the EH&S and campus expert and resource on technical and legislative issues related to the hazardous materials management and waste disposal arenas, providing professional and strategic consultation to the Director, EH&S professionals, campus academic and senior University representatives (AVC, VC, etc.) to effect division, campus, or systemwide planning.

- Analyze requirements of newly enacted laws and regulations; develop and implement new procedures and programs to maintain compliance. Provide technical expertise to influence applicable legislation and regulations in the developmental stages so that implementation does not engender prohibitive administrative actions that are impractical for an educational institution while still assuring compliance to the intent of the legislation.

- Represent EH&S on the Hazardous Waste Management Committee and Radiation Safety Committee, as needed.

- As delegated, represent the Director and the campus in matters related to hazardous and radioactive materials programs with local, state and federal entities and other entities, regularly negotiating compliance issues and fees with these agencies.

- Oversee professional staff who implement City of Berkeley and other regulatory-driven permits, reports, fees, and licensing such as CUPA, Business Plan, Med Waste registration, Hazardous Waste Generator fees, EPA treatment permit and fees, State Radioactive Materials License, etc.

- In a campus-wide disaster, serve as one of two Department Operations Center managers who direct the emergency response effort for the Office of Environment, Health and Safety, and the Office of Laboratory Animal Care. This is part of the campus Emergency Preparedness program and EH&S is identified as one of several essential service units which may be mobilized to support the campus Emergency Operations Center.

- Radiation Safety program management (formerly the Office of Radiation Safety excluding Non-ionizing and laser safety). Oversee and direct the management of the program, sharing technical oversight of the Radiation Safety Officer but with full authority over the program administration.

- Chemical Inventory Program expansion: Design and implement the campus hazardous chemical materials inventory and emergency release response program required by law (as of 5/98). CUPA reporting requirements expanded to include on-line computerized chemical inventory database, and partner with Office of Emergency Preparedness.

- Oversee two new waste minimization programs: 1) the campuswide reusable chemical exchange program to permit campus chemical users to acquire and/or exchange chemicals; 2) the waste minimization grant program promoting waste minimization projects and research by awarding funds to faculty or faculty sponsored applicants to implement proposals. (start 1997, on hold budgetarily 2003).

COMPLEXITY:
Incumbent is confronted by multiple issues involving extremely wide and highly complex issues in many dissimilar areas with unrelated disciplines and competing foci spanning many campus divisions and subject areas. Resolution frequently requires significant planning and development of strategies over time that balance complicated often-conflicting regulatory requirements against practical needs, political impacts, technical, and budgetary limitations to develop strategic and effective solutions. Often requires that he combine dissimilar technical and professional disciplines unique to the campus.

Hazardous chemical, radioactive and medical materials/waste management and radiation safety are rapidly changing and expanding fields. When considered against the demands to ensure campus freedom for research and operations, the complexity is very significant. The incumbent is required to interpret and integrate legal, technical, public opinion and activism, and institutional needs. More extensive information and examples are in the addendum.

INNOVATION:
A primary responsibility of incumbent is to apply original and superior thinking to create innovative policy/procedures or situational solutions based upon sound principals within the fields of hazardous materials management and radiation safety. Many hazardous material management and radiation safety programs are driven by new and amended regulations with changing regulators. The AD has and continues to develop new programs that balance campus and legal and technical drivers. Most new regulations provide no procedural guidelines to meet compliance and the AD must assess the implications and develop programs that ensure campus compliance, assign responsibility to campus/department administrations, and develop the procedural guidelines. Many of these creative programs and services have become models for other higher education and research institutions. More extensive information and examples are in the addendum.

KNOWLEDGE:
Incumbent is the acknowledged campus expert on hazardous materials management and waste disposal. His expertise and knowledge is unique to the UCB campus. He frequently applies advanced and specialized professional principles to produce state of the art or creative models that are often adopted by other professionals within this field. He possesses the requisite academic knowledge, training, and educational background coupled with years of service specifically at UCB and EH&S so that he can be the campus expert in this discipline. He has proven, progressively responsible professional experience managing complex programs and projects with extensive experience in program development, quality improvement and control techniques, team building, and management of resources.

INCUMBENT SPECIFIC ATTRIBUTES TO SUPPORT MSP ALLOCATION:
- Degree in Mechanical Engineering
- Professional Engineering license
- 20 years of technical, managerial, project management, etc.
    - 10 years management experience at EH&S
    - 1 year reorganizing Business Services to improve the way that the campus acquires supplies
    - 1 year as acting director of EH&S
    - 8 years as Design Engineer (Chevron Corporation)
    - Represent colleges and universities nationwide in developing innovative regulations specific for colleges and universities
- Recognized expert in hazardous materials throughout UC system
- Designed the Hazardous Materials Facility (HMF) – Presented project to State Legislative Financial Branch, designed, awarded contracts, and completed.
- Led the Systemwide Haz Waste Manager group for more than eight years to create systemwide waste disposal contracts, audit program for all disposal sites, and other programs adopted systemwide.

RESOURCE MANAGEMENT:
Staffing: Direct and Indirect Reports (18 FTE)
1- MSP I
2- EH&S Specialist III
3- EH&S Specialist II
5- EH&S Spec I
4- Pr. EH&S Tech
3- Sr. EH&S Tech
Several HW Contractors and Student Assistants

Financial Authority for HMRS permanent budget: $1.3M

Recharge Administrator for Chemical Waste Recharge & Radiation Safety Recharge: $0.6M

Other Resources/Facilities Control: 6 vehicles, 2 forklifts, compactor, 3 liquid scintillation counters, HMF

SIGNATURES:

Dale Friberg — 9/1/04
Department Head — Date

P T Goff — 9/2/04
Employee — Date

BAY AREA DRUM CO., INC.
1212 THOMAS AVENUE
SAN FRANCISCO, CALIFORNIA 94124
415-822-3955

DATE	INVOICE	AMOUNT	
26	0730	87	50

0120 11-35/12

PAY 87 DOLS 50 CTS Dollars

TO THE ORDER OF Regents Univ. of California
1436 Harbor Way South
Richmond, Calif. 94804

DATE February 6 1981 $ 87.50

BANK OF AMERICA
South San Francisco Branch South San Francisco, CA 94080

Jack Hamilton

Other CBI

⑈0000008750⑈

BAY AREA DRUM CO., INC.
1212 THOMAS AVENUE
SAN FRANCISCO, CALIFORNIA 94124
415-822-3955

DATE	INVOICE	AMOUNT	

1826 11-35/12

PAY ONE Hundred Twenty Three 00/XX Dollars

TO THE ORDER OF G.C. MATTESON
U.C. Chemistry

DATE 1-28-82 $ 123 00/XX

BANK OF AMERICA South San Francisco Branch
South San Francisco, CA 94080

Jack Hamilton

Other CBI

⑈0000012300⑈

BAY AREA DRUM CO., INC.
1212 THOMAS AVENUE
SAN FRANCISCO, CALIFORNIA 94124
415-822-3955

DATE	INVOICE	AMOUNT	

3497 11-35/12

PAY Two Hundred + seven 50/00 Dollars

TO THE ORDER OF U.C. REGENTS

DATE 4-5-83 $ 207 50/XX

BANK OF AMERICA South San Francisco Branch
South San Francisco, CA 94080

Jack Hamilton

Other CBI

⑈0000020750⑈

37

G. C. Matthews
Gary C. Matthews
For Deposit only

Regents of the University
of California, Dennis
Various Donors acct.

048 38037

PAY ANY BANK, P.E.G.
UNITED CALIFORNIA BANK
MR 0 261624
Hayes & Baker, Inc. B. #624
San Francisco, Calif.
11-57 120

MR '82 04
PAY ANY BANK, P.E.G.
BANK of AMERICA, NT & SA
SAN FRANCISCO, CA.
11-36

EXTENSION 4531 Jdalg
11-57

PAY TO THE ORDER OF
UNITED CALIFORNIA BANK
MR '82 01
PAY ANY BANK
UCB-SF
PROCESSED

624 624

PAY TO THE ORDER OF
THE REGENTS OF THE
UNIVERSITY OF CALIFORNIA
PAY ANY BANK, P.E.G.
BANK of AMERICA, NT & SA
SAN FRANCISCO, CA.
11-36

BAY AREA DRUM CO., INC.
1212 THOMAS AVENUE
SAN FRANCISCO, CALIFORNIA 94124
415-822-3955

DATE	INVOICE	AMOUNT

11-35/121

3104

PAY Two Hundred + NO/100 Dollars

UC REGENT'S

DATE 12-15-82 $200.00/xx

TO THE ORDER OF

BANK OF AMERICA South San Francisco Branch South San Francisco, CA 94080

Jack Hamilton

Other CBI

⑈0000020000⑈

BAY AREA DRUM CO., INC.
1212 THOMAS AVENUE
SAN FRANCISCO, CALIFORNIA 94124
415-822-3955

DATE	INVOICE	AMOUNT

11-35/12

1386

PAY Sixty NO/100 Dollars

U.C. Regents

DATE 10-27-81 $60.00/xx

TO THE ORDER OF

BANK OF AMERICA South San Francisco Branch South San Francisco, CA 94080

Jack Hamilton

Other CBI

⑈0000006000⑈

BAY AREA DRUM CO., INC.
1212 THOMAS AVENUE
SAN FRANCISCO, CALIFORNIA 94124
415-822-3955

DATE	INVOICE	AMOUNT

11-35/12

1185

PAY One Hundred + Eighty Five NO/100 Dollars

UC Regent's

DATE 9-15-81 $185.00/xx

TO THE ORDER OF

BANK OF AMERICA
South San Francisco Branch South San Francisco, CA 94080

Jack Hamilton

Other CBI

⑈0000018500⑈

OM Mordecai MSO III
Storehouse

THE REGENTS OF THE
UNIVERSITY OF CALIFORNIA

98445

PAY TO THE ORDER OF
870 870 870
National Bank of America, P.E.O.
Bank of America, NT & SA
THE UNIVERSITY OF CALIFORNIA
Berkeley, California
University
MISC. - 800 870
Business Office - Cashier
8703-281
DEC 23 81

THE REGENTS OF THE
UNIVERSITY OF CALIFORNIA

41

OM Mordecai MSO
Cent Storehouse

THE REGENTS OF THE
UNIVERSITY OF CALIFORNIA

870 870
National Bank of America, P.E.O.
Bank of America, NT & SA
FOR DEPOSIT ONLY
THE REGENTS OF
THE UNIVERSITY OF CALIFORNIA
MISC. - 800
Business Office - Cashier
8703-281

41

NT&SA
UNIVERSITY CALIFORNIA
UNIVERSITY

70

FEB 24
PAY ANY BANK, P.E.O.
BANK of AMERICA, NT & SA
SAN FRANCISCO, CA.

Mail invoice in TRIPLICATE to the
UNIVERSITY OF CALIFORNIA
ACCOUNTING OFFICE
400 SPROUL HALL, BERKELEY, CA 94720

UNIVERSITY OF CALIFORNIA PURCHASE ORDER

Order No. must be marked on each package, shipping receipt and invoice.

NUMBER 468140

Please itemize all charges. Show Permit Number when billing California USE Tax. If this order includes services which may be reportable for income tax purposes and if you are an individual proprietor or a partnership, please indicate on your invoice your taxpayer reporting number (Social Security Number or Employer Identification Number) in accordance with requirements of the Internal Revenue Service. Pursuant to Federal Privacy Act of 1974, you are hereby notified that disclosure of your social security number is mandatory. Disclosure of the social security number is required pursuant to Section 6011 and 6051 of Subtitle F of the Internal Revenue Code and Regulation 4, Section 404.1256, Code of Federal Regulations, under Section 218, Title II of the Social Security Act, as amended. The social security number is used to verify your identity. The principal uses of the number shall be to report payments to Federal and State governments.

DATE BL 7/13/79

Attached Appendix(ces) are a part of this order

INVOICE MUST SHOW PURCHASE ORDER NUMBER.
ACCEPT PAYMENT ONLY BY UNIVERSITY OF CALIFORNIA CHECK.

BENDINI STEEL DRUM CO.
1212 THOMAS AVE.
SAN FRANCISCO, CA

PLEASE SHIP TO UNIVERSITY OF CALIFORNIA

#468140 DEPT. PICK UP

F.O.B.	SHIP BY	PRICE BY	TERMS - From Receipt of Goods or Invoice Whichever is Later.
S.F.	DEPT PICK UP	MS. FOX	NET 30

QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL PRICE
	CONFIRMING - B.W. LEGER TO MS. FOX 7/12/79		
6 EA.	POLYETHYLENE 55 GALLON DRUMS, CLOSED TOP, 2 BUNG, THOROUGHLY CLEANED	$20.00	$120.00
	6.5% S.T.		7.80
			$127.80
	DELIVERY SHALL BE MADE BY 7/13/79 OR SOONER		

The contract resulting from this Order shall be governed by the laws of the State of California. Prices specified include all taxes and shall not be increased by failure of Seller to have included any applicable tax or as the result of any change in Seller's tax liability.

No variations, deletions, price increase, changes or modifications shall be effective without written approval of the University Purchasing Department. Address all correspondence and acknowledgements pertaining to this order to

UNIVERSITY OF CALIFORNIA

UNIVERSITY OF CALIFORNIA

BY BUYER

VENDOR COPY

RECEIVING TICKET

BAY AREA DRUM CO., INC.

BUY • SELL • RECONDITION

1212 THOMAS AVENUE • SAN FRANCISCO, CA 94124 • (415) 822-3955

☐ PURCHASED ☐ INVENTORY № 1915

Date 2/6/87

Received from UC MEDICAL CENTER

Address BLD LS-100/LOADING DOCK - OFF PARNASSUS S.F.

Acct. of: PO #SP16389 TAG #699

QUANTITY	DESCRIPTION Steve 476-2076
19	55 GAL. #1 OIL TOP BUNG
	55 GAL. #2 OIL TOP BUNG
	55 GAL. DEHEADERS SHORT
	55 GAL. DEHEADERS TALL
1	55 GAL. JUNKERS
	55 GAL. F.O.T. L.L. TALL
	55 GAL. F.O.T. L.L. SHORT
	55 GAL. F.O.T. 17H
2	POLY
	55 GAL. F.O.T. BOLT TALL
1	55 GAL. F.O.T. BOLT SHORT
	55 GAL. F.O.T. ADG.
39	30 GAL. OIL #1
	30 GAL. OIL DEHEADERS
	30 GAL. F.O.T. BOLT
	30 GAL. F.O.T. L.L.
4	15-GAL
65	TOTAL

Per Dave

INVOICE

№ 3321

BAY AREA DRUM CO. Inc.

Drums Bought, Sold and Reconditioned

1212 THOMAS AVENUE SAN FRANCISCO, CA 94124 PHONE: (415) 822-3955
P.O. BOX 24228

SOLD TO:
UC.MEDICAL CENTER
UCSF ACCOUNTING OFFICE 322CED
1855 FOLSOM STREET
SAN FRANCISCO CA 94103

INVOICE DATE	DATE SHIPPED	YOUR ORDER NUMBER	TERMS
~~6/13/86~~ 8/19/86	6/5/86	SF1638G, Tag#1878	NET 15 DAYS

QUANTITY	DESCRIPTION	AMOUNT
37	55 GAL DRUMS PICKED UP FOR DISPOSAL PICK UP TICKET # 1278	$ 180.00

resubmitted for payment
on 8/19/86 OHB

INVOICE

No. 3829

BAY AREA DRUM CO. Inc.

Drums Bought, Sold and Reconditioned

1212 THOMAS AVENUE SAN FRANCISCO, CA 94124 PHONE: (415) 822-3955
P.O.Box 24228

SOLD TO:

U.C.Medical Center
UCSF Accounting Office 322CED
San Francisco, Ca 94143

INVOICE DATE	DATE SHIPPED	YOUR ORDER NUMBER	TERMS
2/9/87	2/9/87	SF1638G,Tag#699	Net 15 days

QUANTITY	DESCRIPTION	AMOUNT
65	Various types drums, picked up for disposal, Disposal charge $3.00 ea	$ 195.00
	Pickup Tag #1915	

(1W)

Mr. McManus

Blanket Order 1443300, Myers Drum Company

This order covers reconditioned drums lids, etc. April 1, 1969 through March 31, 1971. The drums are obtained from the Government at no charge and processed by Myers.

Review of order format by Mr. Hahn resulted in his suggestion the order be altered internally only for LRL convenience as follows:

Page 1 - Last Paragraph should read:

"Used drums to be reconditioned will be picked up by Seller at U.S. Naval installation Point Molate /Richmond/ California and stored by Seller at no charge until ordered by LRL. Reconditioning shall take place only when requested by LRL."

Page 2 - Beginning with the second paragraph this page should read:

"Page two (2)

Reconditioning shall consist of removing head, rolling edge, washing, drying and painting. Drums shall be painted on outside with one coat of Boysen plasolux rich yellow or LRL approved equal. After painting, two radioactive symbols shall be stenciled between center of chines 180 degrees apart, in Martin Senor Newhue Roman Violet color No. 2225 or LRL approved equal. Metal stencil for radioactive symbol will be furnished by LRL. Charge for additional stenciling on lids for drums with radioactive symbol will be $0.15 each.

Item	LRL Cat. No.		
1	8110-27723	Drum, steel, painted, 55 gallon (reconditioned) delivered to Berkeley	$2.00/drum
2	8110-27723	Drum, steel, painted, 55 gallon (reconditioned) delivered to Livermore	$2.25/drum
3	8110-27726	Lid, steel for 55 gallon drum	.55/each
4	8110-27727	Ring, locking for 55 gallon drum	.50/each
5	8110-42037	Gasket, sponge, for 55 gallon drum	.15/each "

We have a sensitive vendor relationship following negotiation of price concessions and extension of a firm price for two years in these troublesome times of increasing cost. Thus we prefer to accomplish these changes without altering the "contract" i.e. without a formal change order to Myers.

C. C. Wise

cc: Rod Chester
Ray Hahn

ESTER/ KNAPP	90-2024		40000	
P HITCHCOCK	1600-00-1			
	1443400	12545	DATE 2/25/69 DMW	HUSSE-TCS

THE ABOVE ORDER NO. & SELLER CODE MUST BE ON EACH PACKAGE, SHIPPING RECEIPT AND INVOICE

TO
U. S. ATOMIC ENERGY COMMISSION
SAN FRANCISCO OPERATIONS OFFICE
2111 BANCROFT WAY
BERKELEY, CALIFORNIA 94704

UNIVERSITY OF CALIFORNIA

LAWRENCE RADIATION LABORATORY

PURCHASE ORDER COPY 2

To Requisitioning Department
USE - INFORMATION COPY
DISPOSITION - DESTROY

DO NOT CONTACT SELLER
FOR INFORMATION CALL PURCHASING DEPT., BERKELEY EXT. 3763, OR LIVERMORE EXT. 7335

SHIP TO

LRL PICKUP

SHIP VIA (as coded): 1. PICKUP 2. PARCEL POST 3. U.P.S. 4. MAIL, EXPRESS 5. MOTOR FREIGHT 6. RAIL FRT. FORWARDER 7. AIR PARCEL POST 8. AIR EXPRESS 9. AIR FRT. FORWARDER

TRANSPORTATION TERMS (as coded): SEE BELOW

F.O.B. (as coded): 1. DESTINATION 2. SHIPPING POINT 3. SHIPPER PAID (NOT ALLOWED)

ITEM NO.	UNIV. CATALOG NO. (IF APPLICABLE)	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL PRICE	PROMISED TO BE DELIVERED TO CARRIER
		MEMORANDUM REQUEST THIS BLANKET ORDER COVERS PROCUREMENT OF APPROX. 200 EMPTY STEEL DRUMS PER MONTH, 50-55 GALLON SIZE, 18 GAUGE OR HEAVIER, SALVAGED, IN LOTS OF 100 TO 200. TO BE PICKED UP AT UNIVERSITY OF CALIFORNIA LAURENCE RADIATION LABORATORY'S EXPENSE, AT A LOCATION DESIGNATED BY THE ATOMIC ENERGY COMMISSION AT THE TIME OF OUR REQUEST FOR DRUMS. THERE WILL BE NO CHARGE FOR THESE DRUMS. THIS ORDER SUPERSEDES BLANKET ORDER 1411400 AND COVERS THE PERIOD APRIL 1, 1969 THROUGH MARCH 31, 1970. MR. V. CHESTER AND MR. R. KNAPP, OR MR. C. C. WISE, IN THEIR ABSENCE, STORES DEPT. HAVE BEEN APPOINTED AS COORDINATORS AND SHALL BE RESPONSIBLE FOR REQUESTING DRUMS UNDER THIS BLANKET ORDER.				

11-17-78

	Initials	Date
Prepared by		
Approved by		

WAYMIRE DRUM CO., INC.
INVOICE CONTROL
WEEK ENDING

Company/Person	Date	Invoice Number	Quantity	Description
Glidden Paint	N-13	5634	130	100, SS-CT / 30, SS-FOT
[illegible]	N-13	5631	212	212, SS-CT
[illegible]	N-14	5633	50	SS-CT
McKesson Chem.	N-10	5634	200	SS-CT
[illegible] McCune	N-10	5635	1	SS-FOT — Cash Sale
P. J. McClennan	N-13	5636	64	SS-FOT
[illegible]	N-15	5638	189	SS-CT
University of Calif.	N-16	5641	25	SS-FOT
[illegible] Solvents	N-15	5642	189	SS-CT
J. Scott	N-15	5643	30	SS-CT

WDC 000072

FRAGMENT BEGIN

POOR QUALITY ORIGINAL

PAYROLL AND CASH DISBURSEMENT JOURNAL DV-JPD-8

	DATE	CHECK NO.	HRS. REG.	HRS. O.T.	EARNINGS REG.	EARNINGS OTHER	ACCOUNTS PAYABLE DEBIT	GROSS	DEDUCTIONS OR DESCRIPTIONS FED	FICA	SDI	STATE	NET CHECK	NEW BALANCE	BAL. FWD.	PREVIOUS BALANCE	NAME
1	2 2	1571	✓	✓				13 00					13 00	⊖	1	⊖	Winterland Pr
2		1572	✓	✓				2000 00					2000 00	⊖	2	⊖	Ernie Bedini
3		1573	✓	✓				133 22					133 22	⊖	3	⊖	St. Board of Eau
4		1574	✓	✓				VOID					VOID	⊖	4		void
5		1575	✓	✓				395 30					395 30	⊖	5	⊖	Auto Corp
6			✓					VOID					VOID	⊖	6		void
7	2 3	102	✓	✓				7 00					7 00	⊖	7	⊖	Alvin Jones
8	3	103	✓	✓				344 50					344 50	⊖	8	⊖	Larry Erickson
9	4	104	✓	✓				700 00					700 00	⊖	9	⊖	Alvin Jones
10	2 5	1576	✓	✓				48 75					48 75	⊖	10	⊖	ITT Continent
11	2-5	0105	✓					431 25	2/19 Placed STOP payment REISSUED CHECK # 0157				431 25	⊖	11		Russ Chandle
12	[illegible]	[illegible]	✓	✓									[illegible]	⊖	12		Tim Griswal
13	[illegible]	[illegible]	✓	✓	[illegible]			15[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	13		Dave Cannon
14	[illegible]	[illegible]	✓	✓	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14		David Criswel
15	[illegible]	[illegible]	✓	✓	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	15		Clarence Crit
16	[illegible]	[illegible]	✓	✓	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	16		Harry Goodal
17	2-6	0111	✓	✓	[illegible]			750 [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17		Jack Hamilton
18	[illegible]	[illegible]	✓	✓	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18		Jack L. Hamil
19	[illegible]	113	✓	✓	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	19		James Hamil
20	2-6	[illegible]	✓	✓	[illegible]			152 [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	20		Carlos Herrer
21	2-6	0115	✓	✓	[illegible]			342 [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	267 44	1412 [illegible]	21		Elroy Jackso
22	2-6	0116	✓	✓	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	4.10	[illegible]	[illegible]	22		Jessie L. Lew
23	2-6	0117	✓	✓	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	149 40	[illegible]	23		Andy Otton
24	2-6	[illegible]	✓	✓	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	3.20	174 [illegible]	775 [illegible]	24		Freda Smith
25	2-6	0119	✓	✓				1219 72					1219 72		25		Bank of Ann
26	2-6	0120						87 50					87 50		26		Regent Univ. of
27	[illegible]	[illegible]	✓	✓									[illegible]		27		Richmond Ann
28	[illegible]	0122	✓				VOID						VOID	⊖	28		<W.B. Tire> V
29	2-6	0123	✓	✓			106 70						106 70	⊖	29		W.B. Tire
																	TOTALS THIS PA
				4	194 60		1212 20	9574 84	661 80	27896	4195	104 90	9699 43				TOTALS MONTH T

have copy of the UC Regents @ Richmond

FRAGMENT END

POOR QUALITY ORIGINAL

MONTH February 1981 PAGE NO. 1

PREVIOUS BALANCE	NAME	BANK BALANCE	DEPOSITS AMOUNT	DEPOSITS DATE	1 Oil Drums	2 Amount Paid	3 Chemicals Paint	BAL. FWD.	Employee Shop Supplies	5 Drum Accessories	6 Equipment Repairs & Maintenance	7 Truck Expense	8 Truck Repairs	9 Telephone	10 Utilities	11 Bldg Exp
		3377 81														
⊖	Winterland Productions	3364 81			8	13 00		1								
⊖	Ernie Bedini	1364 81						2								
⊖	St. Board of Equalization	1231 59						3								
	void							4								
⊖	Auto Corp	836 27						5								
	void							6								
⊖	Alvin Jones	829 29			4	7 00		7								
⊖	Larry Erickson	484 79						8								
⊖	Jim Jones	6410 29	6625.50	2 4	300	700 00		9								
⊖	ITT Continental Baking	6361 54			24	48 75		10								
	Russ Chandler	5930 05			69	431 55		11								
	Tim Griswold	5455 01						12					~~475 00~~			
	Dave Cannon	[illegible]						13								
	David Criswell	4705 55						14								
	Clarence Crittle	4456 78						15								
	Harry Goodall	4194 81						16								
	Jack Hamilton	[illegible] 69						17								
	Jack L. Hamilton	3550 [illegible]						18								
	James Hamilton	3397 62						19								
	Carlos Herrera	3138 [illegible]						20								
	Elroy Jackson	2920 56						21								
	Jessie L. Lewis	2672 09						22								
	Andy Otton	2522 69						23								
	Frieda Smith	2348 30						24								
	Bank of America	1128 [illegible]						25								
	Regent Univ of Calif	6197 58	5156.50	2 6	70	87 50		26								
	Richmond Junk	5567 08			97	~~[illegible]~~		27								
	<W.B. Tire> void	5567 08						28								
	W.B. Tire	5460 38						29				~~106 70~~				
	TOTALS THIS PAGE															
	TOTALS MONTH TO DATE	5460 38	11,782.00		472	1918 00						106 70	475 00			

FRAGMENT BEGIN

POOR QUALITY ORIGINAL

PAYROLL AND CASH DISBURSEMENT JOURNAL OV-JPD-8

	DATE	CHECK NO.	HRS. REL.	HRS. O.T.	EARNINGS REG.	EARNINGS OTHER	ACCOUNTS PAYABLE DEBIT	GROSS	DEDUCTIONS OR DESCRIPTIONS Fed	Fica	SDI	State		NET CHECK	NEW BALANCE		PREVIOUS BALANCE	NAME
					13498 13	25 00	8505 73	13523 68	2134 00	90 45	55 11	345 00		27637 20				
1	7/17/81	901											Ig	13 61	0	1	0	Coast Count
2	7/17/81	902											A	52 00	0	2	0	Sinmar Impo
3	7/17/81	903											Ig	439 00		3		Larry Crick
4	7/17/81	904											Ig	250 00		4		Carlos Sato
5	7/17/81	905					3624 00						Ig	3624 00	2436 00	5	6060 00	S. Rose Cooper
6	7/17/81	906											Ig	677 00		6		Ron Batiston
7	7/20/81	907											Ig	21 15		7		Ronald Jack
8	7/20/81	908	7/18/81		50 05	under Paid		50 05	350	333	30	0 - under Paid	Ig	42 92		8		Andy Atton
9	7/20/81	909											Ig	1148 15		9		Bank of Am
10	7/20/81	910											Ig	1102 98		10		Bank of Ames
11	7/20/81	911												490 00		11		U. C. Regents
12	7/20/81	912											Ig	27 50	0	12		Bark Ware
13	7/21/81	913					420 68						Ig	420 68	0	13		A A A Equip
14	7/21/81	914					1833 67						Ig	1833 67		14		P D and E. C
15	7/21/81	915					510 07						Ig	510 07		15		P. D and E. C
16	7/21/81	916					574 03						Ig	574 03		16		S. F. Water C
17	7/21/81	917					2975 00						Ig	2975 00		17		Zerga & Com
18	7/22/81	918					~~18 00~~						Ig	18 00		18		Post Office
19	7/22/81	919					Void							Void		19		~~Roland Bro~~
20	7/22/81	920					~~[illegible]~~						Ig	6 00		20		Roland Bro
21	7/22/81	921					575 00						Ig	575 00	0	21	575 00	Ron Rockwo
22	7/22/81	922											Ig	11 25	0	22		David Crisu
23	7/23/81	923					46 00						Ig	46 00	0	23	46 00	Barkeley Fa
24	7/23/81	924					392 96						Ig	392 96	60 —	24	452 96	Buzzell Tele
25	7/23/81	925					1352 00						A	1352 00	0	25		Bill Eastwood Carboline Co
26																26		
27																27		
28																28		
29							1238 41									29		
					50 05		~~8679 41~~	50 05	350	333	30	0		16602 97			7133 96	TOTALS THIS PAGE
					13548 13	25 00	17185 14	13573 68	2137 50	90 47	55 41	345 00		43640 17				TOTALS MONTH TO

Safeguard

FRAGMENT END

BAD.

POOR QUALITY ORIGINAL

MONTH July 19 81 PAGE NO. 5

PREVIOUS BALANCE	NAME	BANK BALANCE	DEPOSITS AMOUNT	DEPOSITS DATE	1 # of Drums	2 Amount of Drums	3 Paints + Chem	BAL. FWD.	4 Employ Supply	5 Drums Accession	6 Repairs Maint.	7 Trucks Expense	8 Truck Repairs	9 Telephone	10 Utilities	11 Office Expense
		6905 56			1 020	3 575 25					190 75					
6-	Coast Counties	6891 95						1			13 61					
	Sinmar Imports	6839 95			52	52 00		2								
	Larry Erickson	13970 23	7569 28	7/17/81				3								
	Carlos Sato	13,720 23						4								
000 00	S. Rose Cooperage	10096 23						5								
	Ron Batistoni	9419 23			140	677 00		6								
	Ronald Jackson	9398 08						7								21 15
	Andy Atton	9355 16						8								
	Bank of America	8207 01						9								
	Bank of America	7104 86						10								
	U. C. Regents	6614 86			98	490 00		11								
	Bark Ware Product	6587 36			16	27 50		12								
	A A A Equipment	6166 68						13								
	P D and E Company	4333 01						14								
	P. D and E. Co	3822 94						15								
	S. F. Water Co	3348 91						16								
	Zerya & Company	273 91						17								
	Post Office	255 91						18								18 00
	~~Roland Brown~~	~~[illegible]~~						19								
	Roland Brown	249 91						20			6 00					
75 00	Ron Lockwood	15,026 16						21								
	David Criswell	15,014 91	15,351 25	7/23/81				22								
	Barkeley Farms	14,968 91						23								
91	Buzzell Electric	14,575 95						24								
	Bill Gristwood Carboline Co	13,223 95						25								
								26								
								27								
								28								
								29			19 61					
	TOTALS THIS PAGE				306	1 246 50					~~13~~ 61					39 15
	TOTALS MONTH TO DATE				1 [illegible]	[illegible]					[illegible]					

FRAGMENT BEGIN

POOR QUALITY ORIGINAL

PAYROLL AND CASH DISBURSEMENT JOURNAL DV-RD-8

	DATE	CHECK NO.	HRS. REG.	HRS. O.T.	EARNINGS REG.	EARNINGS OTHER	ACCOUNTS PAYABLE DEBIT	GROSS	DEDUCTIONS OR DESCRIPTIONS FeO	P.C.A	SDI	STATE	NET CHECK	NEW BALANCE		PREVIOUS BALANCE	NAME
					9344 15	36 75	6539 60	9580 50	4591 60	4320	2335	2896	18085 33		BAL. FWD.		
1	9/14/81	1176											13 00		1		David Crisu
2	9/14/81	1177					522 00						522 00		2		Kaiser Chem
3	9/14/81	1178													3		Void
4	9/14/81	1179					2389 86						2389 86	102047	4		Industria Co
5	9/14/81	1180											1154 50		5		Harma Bagu
6	9/14/81	1181											21 10		6		Richard Sprie
7	9/14/81	1182					1370 10						1370 10	2740 09	7	4110 04	Quaker State
8	9/14/81	1183					1370 00						1370 00	1370 00	8	2740 00	Quaker Stat
9	9/14/81	1184					1036 10						1036 10	5316 00	9	5232 00	S. Rose Cooper
10	9/15/81	1185											185 00		10		U. C. Regent
11	9/15/81	1186											161 50		11		D. C. Matte
12	9/16/81	1187											445 50		12		John J. Cunk
13	9/17/81	1188					35 00						35 00		13		D. F. Débris
14	9/17/81	1189					1142 10						1142 10		14		Peninsula D
15															15		
16	9/16/81	1191											150 00		16		Roland John
17	9/16/81	1192											500 00		17		Bank of Ame
18	9/17/81	1193											386 00		18		Larry Erick
19	9/17/81	1194											802 50		19		E. Bedini
20	9/17/81	1195	40		5150			318 00	1110	1115		110	331 65	9742 92	20		Clarence Cri
21	9/19/81	1196	40		5200			252 00	1140	1176	152	140	1551	4629 51	21		Ronald Jac
22	~~9/19/81~~	~~1197~~	~~40~~		~~5200~~			~~252 00~~	~~1140~~	~~1176~~	~~152~~	~~140~~	~~[illegible]~~	~~[illegible]~~	22		~~Martino Ma~~
23	~~9/19/81~~	~~1198~~	~~40~~		~~5200~~			~~252 00~~	~~1790~~	~~1676~~	~~152~~	~~160~~	~~214 22~~	~~2900 33~~	23		~~Darien Bulle~~
24	9/19/81	1199	40		5200			252 00	1440	1676	152	140	217 [illegible]	2704 12	24		Martino Ma
25	9/19/81	1200	40	1	[illegible]	1350		[illegible]		2494		[illegible]	[illegible]	10725 55	25		Elroy Jacks
26															26		
27															27		
28															28		
29															29		
					11820	1350	8714	1195 50	14716	19 51	3 04	18 70	10750 51				TOTALS THIS PAGE
					107261	20 25	15254	107760 00	16312	16	26 39	30846	91365 44				TOTALS MONTH TO

Safeguard

POOR QUALITY ORIGINAL

MONTH Sept 19 81 PAGE NO. 4

PREVIOUS BALANCE	NAME	BANK BALANCE	DEPOSITS AMOUNT	DEPOSITS DATE	# of Drum	Amount of Drum	Paints Chem	SEL. FWD.	Drum Supply	Employee Supply	Repairs Maint	Trucks Repairs	Trucks Expans	Telephone	Utilities	Misc. Expans
		639 30			654	1 536 75										
	David Criswell	626 30						1								
	Kaiser Chemical	104 30						2								
	Void							3								
	Industrial Chemical	9284 80 6894 94	9180.50					4								
	Harms Bags Co	6440 44	[illegible]	9/14/81	92	454 50		5								
	Richard Springfield	6419 44			9	21 00		6								
110 04	Quaker State	[illegible]						7								
140 00	Quaker State Oil	[illegible]						8								
232 00	S. Rose Cooperage	[illegible]	2830.50	9/15/81				9								
	U. C. Regents	[illegible]			37	185 00		10								
	G. C. Matteson	2413 [illegible]			33	161 [illegible]		11								
	John J. Cunha	1967 [illegible]			81	445 [illegible]		12								
	S. F. Debris Inc	[illegible]						13								
	Peninsula Oil	140 [illegible]						14								
								15								
	Roland Johnson	590 [illegible]	4697.85	9/16/81	30	150 00		16								
	Bank of America	5288 [illegible] 4788 63						17								
	Larry Erickson	4402 63						18								
	E. Bedini	3600 13	3387.00	9/18/81	168	802 50		19								
	Clarence Crittle	6957 13 [illegible]						20								
	Ronald Jackson	6550 26						21								
	~~Marsetino Martinez~~							22								
	Darien Dullen	6336 04						23								
	Marsetino Martinez	6113 12						24								
	Elroy Jackson	5826 26						25								
								26								
								27								
								28								
								29								
	TOTALS THIS PAGE				455	2 220 00										
	TOTALS MONTH TO DATE				1 109	3 756 75										

PAYROLL AND CASH DISBURSEMENT JOURNAL

FRAGMENT BEGIN

POOR QUALITY ORIGINAL

PAYROLL AND CASH DISBURSEMENT JOURNAL 6V-PD-6

	DATE	CHECK NO.	HRS. REG	HRS. O.T.	EARNINGS REG	EARNINGS OTHER	ACCOUNTS PAYABLE DEBIT	GROSS	DEDUCTIONS OR DESCRIPTIONS FED	FICA	SDI	STATE	NET CHECK	NEW BALANCE		PREVIOUS BALANCE	NAME
					1644638		2179161	1644638	02222092	0046168		36470	44847 81		BAL. FWD.		
1	10/23/81	1376	40		1020			1020	[illegible]	[illegible]	—	[illegible]	[illegible]	1155 17	1		Clarence Cr
2	[illegible]	1377	[illegible]	[illegible]	2160	1940		4100	[illegible]	[illegible]		[illegible]	[illegible]	1165 13	2		David Crisu
3	10/23/81	1378	[illegible]		[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3655 13	3		Mary E. Da
4	[illegible]	1379	[illegible]		[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	151 [illegible]	6211 [illegible]	4		James Ham
5	10/23/81	1380	[illegible]		[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] 7	3119 5	5		Jack E. Ham
6	[illegible]	1381	[illegible]		[illegible]			[illegible]	[illegible]	[illegible]	—	[illegible]	[illegible]	1070 [illegible]	6		Harry Goode
7	10/23/81	1382	[illegible]		[illegible]			[illegible]	[illegible]	[illegible]	—	[illegible]	[illegible]	2494 [illegible]	7		Jack Hamil
8	[illegible]	[illegible]	[illegible]		[illegible]			[illegible]	[illegible]	[illegible]	—	[illegible]	[illegible]	2558 [illegible]	8		David Can
9	10/23/81	1384											11 [illegible]	[illegible]	9		David Cris
10	10/26/81	1385											320 25	[illegible]	10		Larry Frick
11	10/27/81	1386											60 00		11		U.C. Regents
12	10/[illegible]/81	1387					[illegible]						[illegible]	1500 [illegible]	12		Quaker Stat
13	[illegible]	[illegible]					[illegible]						[illegible]	[illegible]	13		Macloc
14	[illegible]	[illegible]					[illegible]						[illegible]	[illegible]	14		S. Rose Coope
15	[illegible]	[illegible]					[illegible]						[illegible]	[illegible]	15		Pacific Telep
16	[illegible]	[illegible]					[illegible]						155 [illegible]	[illegible]	16		San Francis
17	10/27/81	1390											24 [illegible]	[illegible]	17		Leroy Jurn
18	10/27/81	1393					231 25						231 25	[illegible]	18		Kaiser Alum
19	[illegible]	1394											3 [illegible]	[illegible]	19		E. Capitis
20	10-27-81	1395					[redacted]						483 00	[illegible]	20		Harma Ba
21	10-29-81	1396					[redacted]						269 03	[illegible]	21		Quinlan's I
22	10/29/81	1397											52 10	[illegible]	22		Fred Mulle
23	10/30/81	1398											720 00	[illegible]	23		Larry Whitehe
24	[illegible]	[illegible]	[illegible]		[illegible]			[illegible]	[illegible]	[illegible]	—	[illegible]	163 35	1354 13	24		Harry Good
25	[illegible]	[illegible]											100 00	[illegible]	25		Child support
26															26		
27															27		
28															28		
29															29		
					35398 78.00		58 37 89	36098	578.70	14034	44.59	106.50	10559 27				TOTALS THIS PAGE
					199783 78.00		2762950	2005636	86000	93234	51.28	4712.0	55407 08				TOTALS MONTH TO

have agny & check was sig.

FRAGMENT END

POOR QUALITY ORIGINAL

MONTH October 19 81 PAGE NO. 6

PREVIOUS BALANCE	NAME	BANK BALANCE	DEPOSITS AMOUNT	DEPOSITS DATE	# of Drums	amount of Drums	Paints Chem		Repairs Maint.	Drums Supplies	Trucks Repairs	Trucks expense	Utilities	Telephone	Shops Supplies	Office Expense
		9865 11			1 032	4 183 00			127 03					265 00		18
	Clarence Crittle	9609 86						1								
	David Criswell	9314 43						2								
	Mary E. Davis	9153 38						3								
	James Hamilton	8971 52						4								
	Jack E. Hamilton	8748 15						5								
	Harry Goodall	8488 51						6								
	Jack Hamilton	7925 61						7								
	David Cannon	7348 61						8								
	David Criswell	7337 61						9								
	Larry Erickson	7017 36						10								
	U.C. Regents	6957 36			12	60 00		11								
	Quaker State Oil	5738 06						12								
	Wickes	3157 82						13								
	D. Rae Cooperage	2233 92						14								
	Pacific Telephone	2066 10						15								
	San Francisco Utils	1350 72						16								
	Leroy Turner	1326 72			8	24 00		17								
	Kaiser Aluminum	1095 47						18								
	E. Capitis	1092 47	700.12		1	3 00		19								
	Norma Bags	1792 60 / 1310 60			92	483 00		20								
	Quinlan's Tire	1041 57						21			269 03					
	Fred Mullen	[illegible]			52	52 00		22								
	Larry Whitehouse	269 57			240	720 00		23								
	Harry Goodall	106 22						24								
	Child Support H. Goodall	6 22						25								
								26								
								27								
								28								
								29								
	TOTALS THIS PAGE				493	1 341 00					269 03					
	TOTALS MONTH TO DATE				[illegible]	[illegible]										

FRAGMENT BEGIN

POOR QUALITY ORIGINAL

have copy of check UCB

PAYROLL AND CASH DISBURSEMENT JOURNAL GV-JPD-8

	DATE	CHECK NO.	HRS. REG.	HRS. O.T.	EARNINGS REG.	EARNINGS OTHER	ACCOUNTS PAYABLE DEBIT	GROSS	DEDUCTIONS OR DESCRIPTIONS FED	FICA	SDI	STATE		NET CHECK	NEW BALANCE		PREVIOUS BALANCE	NAME
					6157.59		5958.47	6157.59	812.50	261.81	31.34	133.30		25746.25		BAL. FWD.		
1	[illegible]	[illegible]			[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		593.10	[illegible]	1		David Canno
2	12/10/82	3102												12.13	←	2		Jack C. Ham
3	12/11/82	3103												772.50	←	3		Bank of Am
4	12/15/82	3104												200.00	⊖	4		U. C. Regents
5	[illegible]	[illegible]					741.[illegible]							741.[illegible]	←	5		W. W. Grai
6	[illegible]	[illegible]					[illegible]							[illegible]	[illegible]	6		Maclac Pai
7	12/16/82	3107												301.00	⊖	7		Kaiser Alu
8	12/16/82	3108												106.84	⊖	8		Scheid Indu
9	12/17/82	3109												360.00	⊖	9		Larry Whitehe
10	[illegible]	[illegible]			[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	10		Jerry Hame
11	[illegible]	[illegible]			[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	1014.[illegible]	11		Jack C. Hame
12	[illegible]	[illegible]			[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	←		[illegible]	[illegible]	12		Garnier Gui
13	[illegible]	[illegible]			[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	13		Harry Gooda
14	[illegible]	[illegible]			[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	14		Mary C. Da
15	[illegible]	[illegible]			[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	15		Paul Moher
16	[illegible]	[illegible]			[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	16		David Crisu
17	[illegible]	[illegible]			[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	17		Clarence Critt
18	[illegible]	[illegible]			[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	18		Jack Hamill
19	[illegible]	[illegible]			[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	19		David Canno
20	12/17/82	3120												160.00	⊖	20		Joe Salis
21	12/17/82	3121												[illegible]	⊖	21		Bank of Ame
22	12/20/82	3122												239.63	⊖	22		Unger Boat
23	12/20/82	3123												18.00	⊖	23		Cash
24	12/21/82	3124												20.00	⊖	24		Gooner Easter
25	12/21/82	3125												370.43	⊖	25		Employment De
26																26		
27																27		
28																28		
29																29		
					4222.95		1255.74	4222.95	605.30	132.21	15.83	110.10		8014.63				TOTALS THIS PAGE
					10380.50		7214.21	10380.54	1417.80	394.10	47.17	243.40		33760.88				TOTALS MONTH TO

Safeguard

FRAGMENT END

POOR QUALITY ORIGINAL

MONTH December 19 82 PAGE NO. 3

PREVIOUS BALANCE	NAME	BANK BALANCE	DEPOSITS AMOUNT	DEPOSITS DATE	# of Drums	Amount of Drums	Paints & Chem		Drum Disposal	Repair Maint	Truck Repair	Truck Expense	Telephone	Utilities	Employee Supply	Office Supply
		2695 01			1172	7817 66				260 00	100 70					9
	David Cannon	2101 91						1								
	Jack E. Hamilton	2089 78						2								
	Bank of America	1317 22						3								
	U. C. Regents	1117 22	3514 00	12/8/82	72	300 00		4								
	W. W. Grainger	1631 22 / 3559 22						5								
	Maclac Paints	3375 48						6								
	Kaiser Alum	3074 48			132	301 00		7								
	Schild Industrial	2967 64						8		106 36						
	Larry Whitehouse	2607 64			120	360 00		9								
	Jerry Hamilton	2452 90						10								
	Jack E. Hamilton	2246 60						11								
	Xavier Guillen	2057 43						12								
	Harry Goodall	1824 19						13								
	Mary E. David	1635 60						14								
	Paul McKenney	1459 53						15								
	David Criswell	1261 51						16								
	Clarence Crivde	1013 59						17								
	Jack Hamilton	434 29	7535 50	12/8/82				18								
	David Cannon	1970 16 / 1377 06						19								
	Joe Sabio	7217 00						20		140 00						
	Bank of America	6377 00						21								
	Unger Brother	6139 43						22		239 65						
	Cash	6121 43			18	18 00		23								
	Donner Construct	6101 43			16	20 00		24								
	Employment Develop	5731 00						25								
								26								
								27								
								28								
								29								
	TOTALS THIS PAGE				358	899 00				506 47						
	TOTALS MONTH TO DATE				1530	8716 66				766 47	100 70					9

	Check Date	Check No.	Hrs. Reg.	Hrs. O.T.	Earnings Reg.	Earnings Other	Accounts Payable Debit	Gross	Deductions or Descriptions FeD	FICA	SDI	O.A.	Net Check	New Balance		Previous Balance	Name	Bank Balance	Deposits Amount	Deposits Date	# of Drums	Amount Paid of Drums
																		1942 50				
1	4/5/83	3497											207 60		1		U.O. Reports	1735 00				
2	4/5/83	3498											8 14		2		Auto Row Parts	1726 92			70	207 50
3	4/6/83	3499											16 00		3		Petrucelli Co	1710 92				
4	4/6/83	3500											1336 55		4		City & County Tax	374 37	2885 00	4/7/83	8	16 00
5	4/7/83	3501	16		2000			50 00	36	64			74 00	148 00	5		Armando Arrantes	3257 37				
6	4/7/83	3502	16		2000			50 00	36	64			74 00	148 00	6		Ricardo Navarro	3183 37				
7	4/7/83	3503	09		18270			182 70	50	1235	147		163 45	2042 00	7		Alejandro Arrantes	3109 37				
8	4/7/83	3504	36		25620			256 20	3770	1915	227	260	233 03	8165 81	8		Clarence Little	2940 89				
9	4/7/83	3505	51		17015			170 15	1230	510	97		109 45	2567 61	9		Mary E. Davis	2707 80				
10	4/7/83	3506	22		3640			36 40	3524	1769	212	350	267 17	2455 59	10		David Criswell	2598 38				
11	4/7/83	3507	22		23940			239 40	2210	1614	172	1410	156 44	2514 41	11		Paul Mahoney	2371 19				
12	4/7/83	3508	35		7410			74 10	2210	525	243	350	250 92	2514 41	12		Henry Goddell	2204 75				
13	4/7/83	3509	28		23940			239 40	2210	1664	172	1410	170 44	2741 17	13		Jerry Hamilton	1953 83				
14	4/7/83	3510	35		7410			74 10	2210	1876	234	150	224 20	3304 41	14		Jack E. Hamilton	1767 98				
15	4/7/83	3511	41		7510			750 00	4400	525	110	350	556 45	2314 41	15		Jack Hamilton	1543 08				
16	4/7/83	3512	41		7500			750 00	4400	525	110	350	557 [illegible]	[illegible]	16		David Cannon	1017 63				
17	4/7/83	3513											1033 59		17		Bank of America	477 18	5700 00	4/8/83		
18	4/7/83	3514											70 00		18		Joe Salis	6177 18				
19	4/8/83	3515											19 30		19		Viking Freight	5143 29				
20	4/8/83	3516											11 31		20		Cooperative Store	5073 29				
21	4/8/83	3517				147 17							[illegible]		21		Maclac Paints	5053 99				
22	4/8/83	3518				26 40							[illegible]		22		S.F.W.U. Union	5042 68				
23	4/8/83	3519											[illegible]		23		Zerga & Company	3569 51				
24	4/8/83	3520											1850 00		24		E. Bedini	3706 11				
25	4/11/83	2521											546 00		25		Irony Whitehead	856 11				
26	4/12/83	2522											360 00		26		Hewlett Packard	310 11	4498 00	4/12/83	93	546 00
27	4/12/83	2523											130 00		27		Kartz Supply	4809 79			120	360 00
28	4/13/83	2524											4 00		28		Boyd & Bagthall	4449 79			52	130 00
29	4/13/83	2525											208 50		29		R. Luna	4319 79			2	4 00
													1 50		30			4107 29			42	208 50
			3674 55		2336 57	3574 55	1456 00	239 33	28 63	70 20			1091 45				TOTALS THIS PAGE	4105 79			1	1 50
																	TOTALS MONTH TO DATE				388	1473 50

Safeguard

PAYROLL AND CASH DISBURSEMENT JOURNAL

MONTH April 1983 PAGE NO. 1

Net Check	New Balance		Previous Balance	Name	Bank Balance	Deposits Amount	Deposits Date	# of Drums	Amount of Drums	Paints Chem		Drums Supply	Repairs Maints	Truck Repairs	Truck Expense	Telephone	Utilities	Company Supply	Office Expense
					1942 56														
207 50		1		U.A. Regents	1735 06			70	207 50		1								
8 14		2		Auto Row Parts	1726 92						2			8 14					
16 00		3		Petrucela Co	1710 92			8	16 00		3								
1336 55	0	4		City & County Tax	374 37	2883 00	4/7/83				4								
74 00	148 00	5		Armando Cervantes	3257 37 3183 37						5								
74 00	148 00	6		Ricardo Navarro	3109 37						6								
163 45	242 [illegible]	7		Alejandro Cervantes	2940 89						7								
233 03	2105 51	8		Clarence Crittle	2707 86						8								
109 45	2567 61	9		Mary C. Davis	2598 38						9								
207 19	2455 [illegible]	10		David Criswell	2391 19						10								
156 44	251[illegible]	11		Paul Mahoney	2204 75						11								
250 [illegible]	251[illegible]	12		Harry Goodall	1953 82						12								
1[illegible] 44	2141 [illegible]	13		Jerry Hamilton	1767 38						13								
[illegible]	3314 41	14		Jack C. Hamilton	1543 08						14								
5[illegible]6 [illegible]	2364 [illegible]	15		Jack Hamilton	1017 43						15								
[illegible]	[illegible]	16		David Cannon	477 18	3700 00	4/8/83				16								
1033 59	0	17		Bank of America	6177 18 5143 29						17								
70 00	0	18		Joe Salis	5073 29						18		70 00						
19 30	0	19		Viking Freight	5053 99						19								
11 31	0	20		Esposito Store	5042 68						20								11 31
[illegible]	[illegible]	21		Maclac Paints	3569 51						21								
[illegible]	[illegible]	22		I.L.W.U. Union	2706 11						22								
1550 00	0	23		Zerga & Company	856 11						23								
546 00	0	24		C. Bedini	310 11	4499 78	4/12/83	93	546 00		24								
360 00	0	25		Larry Whitehouse	4809 79 4449 79			120	360 00		25								
130 00	0	26		Hewlett Packard	4319 79			52	130 00		26								
4 00	0	27		Rantz Supply	4315 79			2	4 00		27								
208 50	0	28		South Bay Marble	4107 29			42	208 50		28								
1 50	0	29		R. Luna	4105 79			1	1 50		29								
10919 45				TOTALS THIS PAGE				388	1 473 50				70 00	8 14					11 31
				TOTALS MONTH TO DATE															

PAYROLL AND CASH DISBURSEMENT JOURNAL

UCSF

OFFICE OF THE GENERAL COUNSEL
Received
DEC 21 2009

INFORMATION REQUEST QUESTIONS

1. Describe generally the nature of the business conducted by Respondent and identify the products manufactured, formulated, or prepared by Respondent throughout its history of operations
   Response: University of California, San Francisco (UCSF) is educational, research and medical center and not a product manufacturer.

2. Provide the name and address of any facilities where Respondent carried out operations between 1940 and 1988 and that:
   Response: University of California, San Francisco, 505 Parnassus Avenue, San Francisco, CA 94143.
   a. ever shipped drums or other containers to the BAD site for recycling, cleaning, reuse, disposal, or sale.
      Response: Yes. Empty waste oil drums from UCSF's Heating Plant were shipped to the BAD site for disposal.

   b. are/were located in California (excluding locations where ONLY clerical/office work was performed.
      Response: Operations were carried out at 505 Parnassus Avenue, San Francisco, CA 94143.

   c. are/were located outside of California and shipped any drums or other containers to California for recycling, cleaning, reuse, disposal, or sale (for drums and containers that were shipped to California for sale, include in your response only transaction where the drums and containers themselves were an object of the sale, not transactions where the sole object of the sale was useful product contained in a drum or other container).
      Response: Operations were carried out at 505 Parnassus Avenue, San Francisco, CA 94143.

3. Provide a brief description of the nature of Respondent's operations at each facility identified in your response to Question 2 including:
   Response: University of California, San Francisco (UCSF) is educational, research and medical center and not a product manufacturer. The university's hazardous waste is primarily generated by patient care, academic and facility maintenance operations.
   a. the date such operations commenced and concluded; and
      Response: UCSF was founded in 1864 as Toland Medical School and moved to Parnassus Heights in 1917. Parnassus Heights is the oldest and largest, in both size and campus population of the sites that now constitute UCSF. UCSF operations at Parnassus Heights are still continuing.
   b. the types of work performed at each location over time, including but not limited to the industrial, chemical, or institutional processes undertaken at each location.
      Response: UCSF was built in 1897 on land originally contributed by Adolph Sutro. For 125 years, UCSF has been used exclusively for teaching, research and patient care services.

4. For each Facility, describe the types of records regarding the storage, production, purchasing, and use of Substances of Interest ("SOI") during the Relevant Time Period that still exist and the periods of time covered by each type of record.
   Response: Records on storage, purchasing and use of SOIs during the Relevant Time Period no longer exists. Records are not kept beyond ten years. Their normal timeline is seven years after which the records are destroyed.

5. Did Respondent ever (not just during the Relevant Time Period) produce, purchase, use, or store one of the COCs (including any substances or wastes containing the COCs) at any of the Facilities? State the factual basis for your response.
   Response: Yes. UCSF still purchase, use, store and dispose of but not produce three of the identified COCs. These COCs are used in research and medical center departments. UCSF chemical inventory is the basis used to respond to Question 5.

6. If the answer to Question 5 is yes, identify each COC produced, purchased, used, or stored at each Facility.
   Response: The three COCs that UCSF purchased, used, or stored are lead, zinc, and mercury.

7. If the answer to Question 5 is yes, identify the time period during which each COC was produced, purchased, used, or stored at each facility.
   Response: Lead, zinc and mercury were purchased, used and stored at UCSF since 1917. These COCs are still used at UCSF. 1917 was the year when Toland Medical School became UCSF.

8. If the answer to Question 5 is yes, identify the average annual quantity of each COC produced, purchased, used or stored at each Facility.
   Response: The average annual quantity of each COCs used and stored at UCSF laboratories is: Lead – 5 pounds; Zinc – 19.75 pounds and Mercury – 6.2 pounds.

9. If the answer to Question 5 is yes, identify the volume of each COC disposed by the Facility annually and describe the method and location of disposal.
   Response: The volume of lead and zinc wastes disposed by UCSF annually is unknown at this time. The only available data is on the amount of mercury waste disposed which is about 43 lbs annually. Method of disposal is via a UCSF contracted hazardous waste vendor. The vendor ships the waste every other week to Burlington Environmental, LLC, Kent Facility, Kent, Washington.

10. Did Respondent ever (not just during the Relevant time Period) produce, purchase, use or store hydraulic oil or transformer oil at any of the Facilities? State the factual basis for your response to the question.
    Response: Yes, UCSF purchased, used and stored hydraulic and transformer oils for UCSF's former Heating and Generator Plant and the current Central Utilities Plant (CUP). UCSF chemical inventory was used to respond to the question.

11. If the answer to Question 10 is yes, identify the each specific type of hydraulic oil and transformer oil produced, purchased, used, or stored at each facility.
Response: Types of hydraulic oil purchased, used or stored at UCSF are: a) Chevron Hydraulic Oil AW46 and b) OSO150 Lubricating Oil.

12. If the answer to Question 10 is yes, identify the time period during which each type of hydraulic oil and transformer oil purchased, produced, used, or stored.
Response: Periods are both the Relevant Time Period and 1988 to present (2009).

13. If the answer to Question 10 is yes, identify the average annual quantity of each type of hydraulic oil and transformer oil purchased, produced, used, or stored at each Facility.
Response: Usage of hydraulic and transformer oil is estimated at about 50 and 5-gallons per year, respectively. Transformer oil is usually not replenish and remains with the transformer till the life of the transformer.

14. If the answer to Question 10 is yes, identify the volume of each hydraulic oil and transformer oil disposed by the Facility annually and describe the method and location of disposal.
Response: Hydraulic and transformer oils are generated at about 55-gallon drums per year. University contracted hazardous chemical waste vendor collects the drums directly from CUP for recycling. These waste drums are manifested at CUP and transported to Burlington Environmental, LLC, Kent Facility, Kent, Washington.

15. Provide the following information for each SOI (SOIs include any substance or waste containing the SOI) identified in your responses to Questions 5 and 10:
    a. Describe briefly the purpose for which each SOI was used at the Facility. If there was more than one use, describe each use and the time period for each use:
    Response: Lead and zinc are used in biomedical research activities while mercury is used in medical center blood pressure cuffs replenishment. Hydraulic and transformer oils are used exclusively in CUP and building management operations.

    b. Identify the supplier(s) of the SOIs and the time period during which they supplied the SOIs, and provide copies of all contracts, service orders, shipping manifests, invoices, receipts, canceled checks and other documents pertaining to the procurement of the SOI;
    Response: At the present, Bay Area Oil is one of the suppliers of SOIs, specifically hydraulic oil to UCSF. A copy of an invoice from Bay Area Oil is attached.

    c. State whether the SOIs were delivered to the Facility in bulk or in closed containers, and describe any changes in the method of delivery over time;
    Response: All SOIs were purchased individually and in closed containers. Hydraulic and transformer oils are purchased in bulked and in closed containers.

d. Describe how, where, when, and by whom, the containers used to store the SOIs (or in which the SOIs were purchased) were cleaned, removed from the Facility, and/or disposed of and describe any changes in cleaning, removal, or disposal practices over time.
Response: Containers formerly containing SOIs are never cleaned or disposed as trashed. These containers are picked by the Office of Environmental Health and Safety, stored at the facility and manifested for disposal as hazardous wastes.

16. For each SOI delivered to the Facilities in closed containers, describe the containers, including but not limited to:
    a. the type of container (e.g. 55 gal. drum, tote, etc.);
    Response: SOIs such as lead, zinc and mercury are delivered in containers ranging from milliliters to liters and/or grams to pound bottles. Hydraulic and transformer oils are usually delivered in 5, 20 and 55-gallon closed top drums and/or containers.

    b. whether the containers were new or used; and
    Response: all containers are new.

    c. if the containers were used, a description of the prior use of the container.
    Response: Not applicable. Containers come new and not used.

17. For each container that Respondent used to store a SOI or in which SOIs were purchased ("Substance-Holding Containers" or "SHCs") that was later removed from the facility, provide a complete description of where the SHCs were sent and circumstances under which the SHCs were removed from the Facility, Distinguish between the Relevant Time Period and the time period since 1988, and describe any changes in Respondent's practices over time.
Response: From 1976 to 1980, SOIs were sent to the following sites for disposal: WCC Landfill (foot of Parr Boulevard, Richmond, CA); Nuclear Engineering Company, PO Box 156, San Ramon, CA 94596; Environmental Disposal Services (EDS), Kettleman Hills, CA; Casmalia Resources, NTU Road, Casmalia, CA.

    From 1980 to 1988, SOIs were sent to the following sites for disposal: Casmalia Resources, NTU Road, Casmalia, CA; Chemical Waste Management, Highway 41, Kettleman Hills, CA.

    From 1989 to present, SOIs were sent to the following sites for disposal: Crosby and Overton Environmental Management, Inc., 8430 Amelia Street, Oakland, CA 94621; Recyclotron Oil, Inc., DBA Refineries Service, PO Box 1171, Patterson, CA 95363; Evergreen Environmental Services, 6880 Smith Avenue, Newark, CA 94560; Rollins Environmental Services, 3777 Spinnaker Court, Fremont, CA 94538; Burlington Environmental, LLC, Kent Facility, Kent, Washington, 98032; AERC, Allentown, PA 18103; AERC, Hayward, CA 94544; Clean Harbors Treatment, Storage, Disposal Facilities in San Jose, Aragonite, Utah, Deer Park, Texas and Phoenix.

18. For each SHC that was removed from the Facility, describe Respondent's contracts, agreements, or other arrangement under which SHCs were removed

from the Facility, and identify all parties to each contract, agreement, or other arrangement described. Distinguish between the Relevant Time Period and time period since 1988.
Response: There were no records of contracts, agreements or other arrangement found from 1940 to 1978. From 1979 to 1989, agreements were in the form of a quote submitted by a hazardous chemical waste vendor to UCSF to provide disposal of laboratory waste. Parties to the agreements were North State Environmental, Safety Specialists, Zero Waste Systems, IT Corporation, Ensco Incorporated, General Electric Company, Crosby and Overton Environmental Management, RESNA, and Evergreen Environmental Services, (waste vendors), UCSF's Office of Environmental Health and Safety and Materiel Management.

From 1990 to 1994, agreements were in the form of a contract submitted by a hazardous chemical waste vendor to dispose of laboratory waste including asbestos waste. Among the participants in the agreements were California Advanced Environmental Technology Corporation, Rollins Environmental Services, and RESNA (waste vendors), Office of Environmental Health and Safety and Materiel Management.

From 1994 to the present agreements were in the form of a UC systemwide contract to dispose of laboratory waste. Among the participants in the agreements were UC systemwide waste managers (consisting of 10 UC campuses and national laboratory), UC Office of the President, UCSF's Office of Environmental Health and Safety and Materiel Management and Ecology Control Industries, Rollins Environmental Services, Laidlaw Environmental Service, Philips Environmental Services, MSE Environmental, Inc., Evergreen Environmental Services, Safety-Kleen, Onyx Environmental Service, Photo Waste Recycling, and Merry X-Ray (waste vendors).

19. For each SHC, provide a complete explanation regarding the ownership of the SHC prior to delivery, while onsite, and after it was removed from the Facility. Distinguish between the Relevant Time Period and the time period since 1988, and describe any changes in Respondent's practices over time.
Response: Supplier and distributor of the SHCs owned the SHCs. University takes ownership of the SHCs once the SHCs are received and left on-site. There are no changes from the Relevant Time Period and the time period since 1988 for the ownership of the SHCs.

20. Identify all individuals who currently have, and those who have had, responsibility for procurement of Materials at the Facilities. Also provide each Individual's job title, duties, dates performing those duties, current position or the date of the individual's resignation, and the nature of the information possessed by each individual concerning Respondent's procurement of Materials.
Response: UCSF has currently 1,300 Principal Investigators and each investigator has several personnel performing procurement functions at the laboratories. Likewise, medical center has Materiel Services staff(s) that procures the Materials for the medical center. Administrative Assistants, Analysts, and Buyers are usually the job titles of these individuals procuring the materials. Information on what to purchase comes from the Principal Investigators or Lab Managers and Director of the unit.

21. Describe how each type of waste containing any SOIs was collected and stored at the Facilities prior to disposal/recycling/sale/transport, including:
    a. the type of container in which each type of waste was placed/stored;
    b. how frequently each type of waste was removed from the Facility;

    Distinguish between the Relevant Time Period and the time period since 1988 and describe any changes in Respondent's practices over time.
    Response: a) During the Relevant Time Period, SOIs such as lead and zinc in original containers are stored and collected from the research and medical center laboratories by the Office of Environmental Health and Safety (OEH&S). OEH&S usually collects the entire blood pressure cuffs containing the mercury for disposal. SOIs such as hydraulic and transformer oils are collected directly by the University waste vendor for disposal. For the period 1988 to the present, the same procedure applies on all the SOIs for storage, generation and collection.

    b) During the Relevant Time Period, SOIs were removed from the facility on as needed basis. From 1988 to the present, SOIs were removed every other week from the waste accumulation area.

22. Describe the containers used to remove each type of waste containing any SOIs from the Facilities, including but not limited to:
    a. the type of container (e.g. 55 gal. drum, dumpster, etc.);
    b. the colors of the containers;
    c. any distinctive stripes of other marking on those containers;
    d. any labels or writing on those containers (including the content of those labels);
    e. whether those containers were new or used; and
    f. if those containers were used, a description of the prior use of the container;

    Distinguish between the Relevant Time Period and the time period since 1988 and describe any changes in Respondent's practices over time.
    Response: a) during the Relevant Time period, type of container ranged from 5 gallon cans to 55-gallon steel/fiber drums; b) colors of the containers are unknown; c) no distinctive stripes or other marking except perhaps container markings; d) hazardous waste labels on disposal containers; e) disposal containers are new; f) not applicable.

    From 1988 to the present, type of container ranged from 5-gallon cans to 55-gallon steel/fiber drums; b) colors of containers are usually black, gray, and blue; c) no distinctive stripes or other markings on disposal containers; d) hazardous waste labels on disposal containers, profile number written usually on top of disposal containers, 4"x4" hazard class label, and upright label on disposal containers; e) disposal containers are usually new; f) not applicable.

23. For each type of waste generated at the Facilities that contained any of the SOIs, describe Respondent/s contracts, agreements, or other arrangements for its disposal, treatment, or recycling and identify all parties to each contract, agreement, or other arrangement described. State the ownership of waste containers as specified under each contract, agreement, or other arrangement described and the ultimate destination or use for such containers. Distinguish

between the Relevant Time Period and the time period since 1988, and describe any changes in Respondent's practices over time.
Response: There were no records of contracts, agreements or other arrangement found from 1940 to 1978. From 1979 to 1989, agreements were in the form of a quote submitted by a hazardous chemical waste vendor to UCSF to provide disposal of laboratory waste. Parties to the agreements were North State Environmental, Safety Specialists, Zero Waste Systems, IT Corporation, Ensco Incorporated, General Electric Company, Crosby and Overton Environmental Management, RESNA, and Evergreen Environmental Services, (waste vendors),

From 1990 to 1994, agreements were in the form of a contract submitted by a hazardous chemical waste vendor to dispose of laboratory waste including asbestos waste. Among the participants in the agreements were California Advanced Environmental Technology Corporation, Rollins Environmental Services, and RESNA (waste vendors), Office of Environmental Health and Safety and Materiel Management.

From 1994 to the present agreements were in the form of a UC systemwide contract to dispose of laboratory waste. Among the participants in the agreements were UC systemwide waste managers (consisting of 10 UC campuses and national laboratory), UC Office of the President, UCSF's Office of Environmental Health and Safety and Materiel Management and Ecology Control Industries, Rollins Environmental Services, Laidlaw Environmental Service, Philips Environmental Services, MSE Environmental, Inc., Evergreen Environmental Services, Safety Kleen, Onyx Environmental Service, Photo Waste Recycling, and Merry X-Ray (waste vendors).

UCSF owns all waste containers from generation to final disposal.

24. Identify all individuals who currently have, and those who have had, responsibility for respondent's environmental matters (including responsibility for the disposal, treatment, storage, or sale of Respondent's wastes and SHCs). Provide the job title, duties, dates performing those duties, supervisors for those duties, current position or the date of the individual's resignation, and the nature of the information possessed by such individuals concerning Respondent's waste management.
Response: Office of Environmental Health and Safety has the responsibility for all of UCSF's environmental matters including disposal. Job title of that person is Program Manager, Hazardous Material Management Program. Job description of the person is attached. Job description summarizes the responsibilities of the Program Manager on environmental matters including hazardous chemical waste disposal. The description also provides the direct reports to manage the program. Job descriptions of the direct reports are also attached for completeness.

25. Did Respondent ever purchase drums or other containers from a drum recycler or drum conditioner? If yes, identify the entities or individuals from which Respondent acquired such drums or containers.
Response: No. UCSF purchase drums and supplies from the University contracted hazardous chemical waste vendor.

26. Prior to 1988, did Respondent always keep its waste streams that contained SOIs separate from its other waste streams?
Response: Yes. SOIs were disposed as lab packs.

27. Identify all removal and remedial actions conducted pursuant to the Comprehensive environmental Response, Compensation and Liability Act, 42 U.S.C. S9601 et seq., or comparable state law; all corrective actions conducted pursuant to the Resource Conservation and Recovery Act, 42 U.S.C. S 6901 et sea.; and all cleanups conducted pursuant to the Toxic Substances Control Act, 15 I.S.C. S 2601 et seq. where (a) one of the COCs was addressed by the cleanup and (b) at which Respondent paid a portion of clean-up costs or performed work. Provide copies of all correspondences between Respondent and any federal or state government agency that (a) identifies a COC and (b) is related to one of the above-mentioned sites.
Response: UCSF has been involved in some CERCLA clean-ups in the past. Sites were as follows: a) Aqua Tech; b) Bay Area Drum; c) Casmalia Resources; and d) Quicksilver. Internal correspondences attached show UCSF's participated in Aqua Tech and Bay Area Drum clean-up and counsel's service fees. There were no records however found for Casmalia and Quicksilver sites. Other correspondences between UCSF and federal or state government agency do not exist.

28. Provide all records of communication between Respondent and Bay Area Drum Company, Inc.; Meyers Drum Company; A.W. Sorich Bucket and Drum Company; Waymire Drum Company, Inc.; Waymire Drum and Barrel Company, Inc.; Bedini Barrels Inc.; Bedini Steel Drum Corp.; Bedini Drum; or any other person or entity that owned or operated the facility located at 1212 Thomas Avenue, in the City and County of San Francisco, California.
Response: Records between UCSF, BAD and other drum companies are now all gone.

29. Identify the time periods regarding which Respondent does not have any records regarding the SOIs that were produced, purchased, used, or stored at the Facilities.
Response: Purchasing records are kept at an average of seven (7) years after which they are destroyed.

30. Provide copies of all documents containing information responsive to the previous twenty-nine questions and identify the questions to which each document is responsive.
Response: Information that is available is enclosed.

Support documents in response to Information Request Questions:

4. For each Facility, describe the types of records regarding the storage, production, purchasing, and use of Substances of Interest ("SOI") during the Relevant Time Period that still exist and the periods of time covered by each type of record.
   Response: Records on storage, purchasing and use of SOIs during the Relevant Time Period no longer exists. Records are not kept beyond ten years. Their normal timeline is seven years after which the records are destroyed.

29. Identify the time periods regarding which Respondent does not have any records regarding the SOIs that were produced, purchased, used, or stored at the Facilities.
    Response: Purchasing records are kept at an average of seven (7) years after which they are destroyed.

#4 X 29

Luistro, Lamberto

From: Watson, Lloyd
Sent: Friday, October 23, 2009 12:10 PM
To: Orozco, Tim; Bower, Benjamin; Kolsom, Dave
Cc: Luistro, Lamberto
Subject: RE: Vendor Inquiry: Bay Area Drum (1970's - 1980's timeframe)

Tim,

I received from John Chow the following message:

Lloyd,
We have only the following vendors with the word "Drum" in their name....

PVENDOR...	VENDOR NAME.....
18762	GONZALEZ BUCKET & DRUM
29922	CONUNDRUM DATA SOLUTIONS
5780	DRUMMOND SCIENTIFIC CO

The practice for our department has been to purchase procurement files and records after about five (5) years when the file has closed. UCSF as we know it came into existence about 1958 or so. Before that time it was primarily a medical school associated with the University of California. We would have no records that date that early. Our Departmental efforts to record transactions electronically begin about 1990 or so. John Chow's search of that database reveals no documents under any of the names that you have listed.

I have contacted Accounts Payable in an effort to determine their record keeping policy and if perchance they might have documents that might include what you are looking to locate. I spoke with Daniel Wong, Supervisor Administrative Services, and he indicated that files stored at Oyster Point don't extend beyond ten (10) years. Their normal timeline is seven (7) years before they are destroyed.

He did indicate they have microfilm records which may be more extensive time wise going back to the late 1980s. Unfortunately, organization is such it can't be easily searched on name or other parameters but must be laboriously search line by line under very specific criteria, Department, DPA/Fund and Vendor name and specific timeline.

Daniel did indicate even with the search there is no guarantee that anything useful would be located. He did state that the records were spotty.

The information regarding staff and assignments and responsibilities is not available to my knowledge.

Should you require additional information please feel free to contact me.

Regards,

Lloyd

Lloyd Watson
CPBC
415-502-3047

From: Orozco, Tim
Sent: Thursday, October 22, 2009 2:25 PM
To: Bower, Benjamin; Watson, Lloyd; Kolsom, Dave
Cc: Luistro, Lamberto
Subject: RE: Vendor Inquiry: Bay Area Drum (1970's - 1980's timeframe)

Gentlemen

Thank you for your help on this matter. We need the following information if available. If we don't have the information we need to document this and respond accordingly to the EPA the time frame we do not have the records.

1.) Any information of UCSF sending drums and/or any communication between 1940 and 1988 to Bay Bay Area Drum Company, Inc.; Meyers Drum Company; A.W. Sorich Bucket and Drum Company; Waymire Drum Company, Inc.; Waymire Drum and Barrel Company, Inc.; Bedini Barrels Inc.; Bedini Steel Drum Corp.; Bedini Drum; or any other person or entity that owned or operated the facility located at 1212 Thomas Avenue, in the City and County of San Francisco, California between 1940 and 1988.

2.) Companies from which UCSF purchased drums or other containers from a drum recycler between 1940 and 1988.

3.) Any records between 1940 and 1988 for the purchase of hydraulic oil and/or transformer oil, or products containing zinc, lead, mercury, DDT (dichlorodiphenyltrichloroethane), chlordane, dieldrin, and PCB's (polychlorinated biphenyls)

4) Identify all individuals who currently have, and those who have had, responsibility for procurement of Materials at the Facilities. Also provide each individual's job title, duties, dates performing those duties, current position or the date of the individual's resignation, and the nature of the information possessed by each individual concerning Respondent's procurement of Materials.

5) A description of the contracts contracts, agreements, or other arrangements under which drums or containers used to store hydraulic oil or transformer oil were removed from the Facility, and identity all parties to each contract, agreement, or other arrangement described. Distinguish between the Relevant Time Period and the time period since 1988.

Any help in answering these questions would be greatly appreciated. The matter is urgent. The university has 30 days to respond after receiving the request from the EPA (Dated Oct, 15 2009).

Thank You

Tim Orozco
Operations Supervisor
Hazardous Materials Management
Office of Environmental Health and Safety
50 Medical Center Way
University Of California, San Francisco
Phone: (415)476-1480
Fax: (415)476-0581

From: Bower, Benjamin
Sent: Thursday, October 22, 2009 12:16 PM
To: Watson, Lloyd; Orozco, Tim
Cc: Kleinhenz, Andrew; Chow, John; Price, Pat; Bower, Benjamin
Subject: RE: Vendor Inquiry: Bay Area Drum (1970's - 1980's timeframe)

Hi Lloyd,

Thank you for getting back to me.

I have included Tim Orozco from EH&S that generated the initial inquiry wherein Pat Price then brought it to my attention.

Tim will be able to move forward with discussion on what he exactly is seeking.

Thank you all.

Regards,
Ben

From: Watson, Lloyd
Sent: Wednesday, October 21, 2009 3:31 PM
To: Bower, Benjamin
Cc: Kleinhenz, Andrew; Chow, John
Subject: RE: Vendor Inquiry: Bay Area Drum (1970's - 1980's timeframe)

Hi Ben,

Can you provide more specific information on the contract? I would need a complete name and address as well as a purchase order IF at all possible. This MAY be available electronically, I'd have to check and verify. However, hard copies are more than likely no longer available. The hard copies where normally disposed after about seven years. There was a purge before we left Oyster Point and moved here. Those records as I remember were from the early nineties.

Regards,

Lloyd

Lloyd Watson
CPBC
415-502-3047

From: Kleinhenz, Andrew **On Behalf Of** Purchasing Mailbox
Sent: Wednesday, October 21, 2009 3:18 PM
To: Watson, Lloyd
Subject: FW: Vendor Inquiry: Bay Area Drum (1970's - 1980's timeframe)
Importance: High

This is too old for me to be able to even get close to seeing. Do we still have these records?

From: Bower, Benjamin
Sent: Wednesday, October 21, 2009 2:30 PM
To: Purchasing Mailbox
Cc: Bower, Benjamin; Aralar Jr., Reynaldo
Subject: Vendor Inquiry: Bay Area Drum (1970's - 1980's timeframe)
Importance: High

Hi Purchasing,

Q. Are you able to retrieve or pull Bay Area Drum from a database or documents that may have existed during this timeframe (1970's - 1980's).

EH&S is seeking such information.

I was advised of this vendor dumping product in an area where it has been uncovered and potential lawsuits may ensue.

The vendor provided service to the P-CUP during the said timeframe, prior to the new P-CUP going online in the early 90's.

Are you able to appropriately direct me to someone that may have this information.

Our system (FMTrack) does not capture the vendor nor has any relative information during that timeframe.

Any assistance is appreciated.

Thank you,

Ben
Benjamin P. Bower
Purchasing Supervisor: Inventory & Purchasing Services
UCSF
Capital Programs & Facilities Management
Purchasing Services
654 Minnesota Street, 2nd Floor
San Francisco, CA 94107-0894
(For direct express deliveries: 94107-3027)
tel: (415) 476-4361
fax: (415) 514-1091
e: CPFMPurchasing@ucsf.edu

Inventory Warehouse
513 Parnassus Ave., HSE 101
San Francisco, CA 94143
Warehouse Direct:
tel: (415) 476-9938
e: CPFMInventory@ucsf.edu

Benjamin.Bower@ucsf.edu

Support documents in response to Information Request Questions:

11. If the answer to Question 10 is yes, identify the each specific type of hydraulic oil and transformer oil produced, purchased, used, or stored at each facility.
    Response: Types of hydraulic oil purchased, used or stored at UCSF are: a) Chevron Hydraulic Oil AW46 and b) OSO150 Lubricating Oil.

14. If the answer to Question 10 is yes, identify the volume of each hydraulic oil and transformer oil disposed by the Facility annually and describe the method and location of disposal.
    Response: Hydraulic and transformer oils are generated at about 55-gallon drums per year. University contracted hazardous chemical waste vendor collects the drums directly from CUP for recycling. These waste drums are manifested at CUP and transported to Burlington Environmental, LLC, Kent Facility, Kent, Washington.

#14

Requisition ID:	70408	Priority:	Standard	Requestor:	
Req Type:	14196B	Ship-to:	CUP	Ordered For:	WHITBECK
Vendor PO:	14196B0094	Ship Via:		Auth Signature:	BP
PO Agrmt#/Tag:	707005B 022	FOB:	Vendor	Buyer:	KJohnson
Alternate PO:			Discovered ATF	Date Entered:	9/15/1998
				Status:	CLOSED
				Status Date:	6/23/2000
				Est. Arrival:	9/17/1998
				Close Date:	6/23/2000
				Contracted:	$439.10
				Invoiced:	$439.12
				Tax Rate:	8.50%
				Service From:	
				Service To:	
				30-day-notice:	

Description: ISO VG46 HYDRAULIC OIL (CHEVON)
Description2:

Vendor ID: BAYAREAO
Alt Vendor Contact: DEBBIE
Alt Vendor Phone:
Alt Vendor Email:
Alt Vendor Fax:

Bay Area Oil
485 Industrial Way
Benicia, CA 94510
Phone: (800) 439-6457 FAX: 707/747-5063
Contact: Tim Lockhart
Email: TALOCKHAT@BAOCO.COM
Firm Type: S Ethnic Code: 5

Note to Vendor:
Vendor Quote No:
Validated By:

Invoices

(Double click an invoice number to edit)

Invoice Id	InvDate	Description	NCA	Freight	SalesTax	Total Amount	ToAcctg	
28620	9/17/1998	CHEVRON HYD OIL AW46		$0.00	$0.00	$439.12	10/2/1998	Orig

Invoice No.	Inv Date	Reason	Description	NCA	Freight	SalesTax	Total Amount
		Original					

#11 & #1

UCSF Capital Programs and Facilities Manageme

Purchase Order

Vendor: Bay Area Oil (BAYAREAO)
485 Industrial Way
Benicia, CA 94510

Tim Lockhart Ph: (800) 439-6457 Fax: 707/747-5063

Summary ISO VG46 HYDRAULIC OIL (CHEVON)

Ship By:
Ship-to: CENTRAL UTILITIES PLANT
25 Medical Center Wy
San Francisco, CA 94143
Attn: PO# 707005B/022

Send Inv. To: **UCSF Capital Programs and Facilities Management**
attn. Matthew Curtin, Tel: (415) 502-2455
UCSF Box 0894
San Francisco, CA 94143-0894

Vendor PO: **14196B0094**
Alt PO#
Requisition # 70408
Date Entered: 9/15/1998
Buyer: KJohnson
Payment Terms: NET 30
Tax Rate: 8.50%
Total PO Amount: $439.10

Priority: 2
Requisition Type: 14196B
Authorized Signature BP
Status: CLOSED 6/23/2000 2:
Alt Buyer:
Ordered For: WHITBECK
Date Closed: 6/23/2000
Date Needed:
Date Estimated Ship:
Date Est. Arrival: 9/17/1998

FOB: Vendor
Customer Number:

#	Manufacturer	Part No	Description	UOM	Qty Order	Price Per	Disc%	Extension	Qty Recv	Stat	UCSF Inv #	Tax?
1			ISO VG46 HYDRAULIC OIL	EA	15	$26.93	0.00%	$403.95	15	CLD		x
2			FREIGHT	EA	1	$0.00	0.00%	$0.00	1	CLD		
3			SPILL FEE	EA	1	$0.75	0.00%	$0.75	0	OPN		x
							Subtotal	$404.70				
							Tax	$34.40				
							Total	$439.10				

Requisition ID: 70408
Req Type: 14196B
Vendor PO: 14196B0094
PO Agmt#/Tag: 707005B 022
Alternate PO:

Priority: Standard
Ship-to: CUP
Ship Via:
FOB: Vendor
☒ Discovered ATF

Requestor:
Ordered For: WHITBECK
Auth Signature: BP
Buyer: KJohnson
Date Entered: 9/15/1998
Status: CLOSED
Status Date: 6/23/2000
Est. Arrival: 9/17/1998
Close Date: 6/23/2000
Contracted: $439.10
Invoiced: $439.12
Tax Rate: 8.50%
Service From:
Service To:
30-day-notice:

Description: ISO VG46 HYDRAULIC OIL (CHEVON)
Description2:
Vendor ID: BAYAREAO
Alt Vendor Contact: DEBBIE
Alt Vendor Phone:
Alt Vendor Email:
Alt Vendor Fax:

Bay Area Oil
485 Industrial Way
Benicia, CA 94510
Phone: (800) 439-6457 FAX: 707/747-5063
Contact: Tim Lockhart
Email: TALOCKHAT@BAOCO.COM
Firm Type: S Ethnic Code: 5

Note to Vendor:
Vendor Quote No:
Validated By:

Invoices

(Double click an invoice number to edit)

Invoice Id	InvDate	Description	NCA	Freight	SalesTax	Total Amount	ToAcctg	
28620	9/17/1998	CHEVRON HYD OIL AW46		$0.00	$0.00	$439.12	10/2/1998	Orig

Invoice No.	Inv Date	Reason	Description	NCA	Freight	SalesTax	Total Amount
		Original					

Purchase Order

Split

Work Order #	Phase	Unit	Project#	Budget Level	Split%
150000	CONST	B			100.00%

Invoices

Amount Invoiced: $439.12

Inv Date	Invoice #	Description	Paid	Entered	Amount
9/17/1998	28620	CHEVRON HYD OIL AW46	10/2/1998	10/2/1998	$439.12

Requisition Notes/Memos

Line Item Notes/Memos

Receiving Log

Date	Packing Slip	Line #	Description	Qty Received	By User
9/22/1998	28620	1	ISO VG46 HYDRAULIC OIL	15	rmack
9/22/1998	28620	2	FREIGHT	1	rmack

Support documents in response to Information Request Questions:

5. Did Respondent ever (not just during the Relevant Time Period) produce, purchase, use, or store one of the COCs (including any substances or wastes containing the COCs) at any of the Facilities? State the factual basis for your response.
   Response: Yes. UCSF still purchase, use, store and dispose of but not produce three of the identified COCs. These COCs are used in research and medical center departments. UCSF chemical inventory is the basis used to respond to Question 5.

15. Provide the following information for each SOI (SOIs include any substance or waste containing the SOI) identified in your responses to Questions 5 and 10:
    a. Describe briefly the purpose for which each SOI was used at the Facility. If there was more than one use, describe each use and the time period for each use:
       Response: Lead and zinc are used in biomedical research activities while mercury is used in medical center blood pressure cuffs replenishment. Hydraulic and transformer oils are used exclusively in CUP and building management operations.

    b. Identify the supplier(s) of the SOIs and the time period during which they supplied the SOIs, and provide copies of all contracts, service orders, shipping manifests, invoices, receipts, canceled checks and other documents pertaining to the procurement of the SOI;
       Response: At the present, Bay Area Oil is one of the suppliers of SOIs, specifically hydraulic oil to UCSF. A copy of an invoice from Bay Area Oil is attached.

    c. State whether the SOIs were delivered to the Facility in bulk or in closed containers, and describe any changes in the method of delivery over time;
       Response: All SOIs were purchased individually and in closed containers. Hydraulic and transformer oils are purchased in bulked and in closed containers.

    d. Describe how, where, when, and by whom, the containers used to store the SOIs (or in which the SOIs were purchased) were cleaned, removed from the Facility, and/or disposed of and describe any changes in cleaning, removal, or disposal practices over time.
       Response: Containers formerly containing SOIs are never cleaned or disposed as trashed. These containers are picked by the Office of Environmental Health and Safety, stored at the facility and manifested for disposal as hazardous wastes.

UCSF

Office of Environmental Health & Safty

Chemical Serach

Confidential

Building	Room	P.I.	Chemical Product Name	Amount	
Byers Hall/QB3	304C	Daniel Louis Minor	LEAD (II) NITRATE	0.02200000	lbs
Byers Hall/QB3	304C	Daniel Louis Minor	LEAD CHLORIDE	0.02200000	lbs
Clinical Sciences	215	Donna M. Ferriero	LEAD CITRATE, TRIHYDRATE, 96% (TITR.)	0.22000000	lbs
Clinical Sciences	224	Linda J. Noble	LEAD CITRATE, TRIHYDRATE, 96% (TITR.)	0.01056000	gal
Clinical Sciences	224	Linda J. Noble	LEAD NITRATE	0.01584000	gal
Genentech Hall	N374	Hiten D. Madhani	LEAD (II) NITRATE	0.22000000	lbs
Genentech Hall	N374	Hiten D. Madhani	LEAD NITRATE	0.02200000	lbs
Genentech Hall	S402A	Robert M. Stroud	LEAD ACETATE	0.00220000	lbs
Genentech Hall	S402A	Robert M. Stroud	LEAD CITRATE, TRIHYDRATE, 96% (TITR.)	0.22000000	lbs
Genentech Hall	S402A	Robert M. Stroud	LEAD NITRATE	0.02200000	lbs
Genentech Hall	S414A	David A. Agard	LEAD ACETATE	8.80000000	lbs
Genentech Hall	S416A	Robert J. Fletterick	LEAD NITRATE	1.00000000	lbs
Genentech Hall	S476	Erin K. O'Shea	LEAD (II) NITRATE	0.22000000	lbs
Gladstone Building	367E	Karl H. Weisgraber	LEAD ACETATE	0.22000000	lbs
Gladstone Building	367E	Karl H. Weisgraber	LEAD CITRATE, TRIHYDRATE, 96% (TITR.)	0.44000000	lbs
Gladstone Building	367E	Karl H. Weisgraber	LEAD NITRATE	1.98000000	lbs
Gladstone Building	371U	Fen-Biao Gao	LEAD ACETATE	1.10000000	lbs
Health Sciences East	1309	Christopher J. Fielding	LEAD CITRATE, TRIHYDRATE, 96% (TITR.)	0.22000000	lbs
Health Sciences East	1403	James D. Bristow	LEAD CITRATE, TRIHYDRATE, 96% (TITR.)	0.59400000	lbs
Health Sciences East	636	Stanley B. Prusiner	LEAD (II) ACETATE TRIHYDRATE	0.05500000	lbs
Health Sciences East	636	Stanley B. Prusiner	LEAD ACETATE	0.05500000	lbs
Health Sciences East	636	Stanley B. Prusiner	LEAD CITRATE, TRIHYDRATE, 96% (TITR.)	0.04400000	lbs
Health Sciences East	636	Stanley B. Prusiner	LEAD NITRATE	4.42000000	lbs
Health Sciences East	641	Jeffrey Lotz	LEAD	5.00000000	lbs

UCSF

Office of Environmental Health & Safty

Chemical Serach

Confidential

Health Sciences East	641	Jeffrey Lotz	LEAD NITRATE	1.10000000	lbs
Health Sciences East	737A	Michael P. Stryker	LEAD CITRATE, TRIHYDRATE, 96% (TITR.)	0.00088000	lbs
Health Sciences West	1201A	Arturo Alvarez-Buylla	LEAD NITRATE	0.05500000	lbs
Health Sciences West	1330	Steven D. Rosen	LEAD CITRATE, TRIHYDRATE, 96% (TITR.)	0.22000000	lbs
Health Sciences West	1475	Richard I. Weiner	LEAD CITRATE, TRIHYDRATE, 96% (TITR.)	0.16500000	lbs
Health Sciences West	1475	Richard I. Weiner	LEAD NITRATE	0.77000000	lbs
Health Sciences West	854	Robert A. Mendelson	LEAD NITRATE	1.00000000	lbs
Koret Vision Research	120	Matthew M. LaVail	LEAD NITRATE	0.25000000	lbs
Koret Vision Research	120J	Matthew M. LaVail	LEAD NITRATE	0.25000000	lbs
Lab of Radiobiology	204	Kimberly Topp	LEAD NITRATE	1.10000000	lbs
LPPI	300	Douglas N. W. Cooper	LEAD CITRATE, TRIHYDRATE, 96% (TITR.)	0.02200000	lbs
LPPI	300	Douglas N. W. Cooper	LEAD NITRATE	0.22000000	lbs
Medical Sciences	1014	Martin D. Shetlar	LEAD ACETATE	0.55000000	lbs
Medical Sciences	1014	Martin D. Shetlar	LEAD NITRATE	1.10000000	lbs
Medical Sciences	1347	Henry J. Ralston	LEAD CITRATE, TRIHYDRATE, 96% (TITR.)	0.44000000	lbs
Medical Sciences	1347	Henry J. Ralston	LEAD NITRATE	1.10000000	lbs
Medical Sciences	564	Dorothy Bainton	LEAD CITRATE, TRIHYDRATE, 96% (TITR.)	0.22000000	lbs
Medical Sciences	564	Dorothy Bainton	LEAD NITRATE	1.00000000	lbs
Medical Sciences	786A	Howard L. Fields	LEAD ACETATE	1.19900000	lbs
Moffitt Hospital	1090	Jane T. Liu	LEAD ACETATE	1.10000000	lbs
Moffitt Hospital	1291	Lois B. Epstein	LEAD ACETATE	0.05500000	lbs
Moffitt Hospital	1295	Lois B. Epstein	LEAD NITRATE	0.24860000	lbs
Moffitt Hospital	567	Matthew Carlson	LEAD NITRATE	0.22000000	lbs
Rock Hall/19B/GDBS	341	Herwig Baier	LEAD ACETATE	0.05500000	lbs
Rock Hall/19B/GDBS	346A	Herwig Baier	LEAD ACETATE	0.05500000	lbs

UCSF

Office of Environmental Health & Safty

Chemical Serach

Confidential

Rock Hall/19B/GDBS	445C	Graeme W. Davis	LEAD ACETATE	1.00000000	lbs
Rock Hall/19B/GDBS	481C	Lily Y. Jan	LEAD ACETATE	0.05500000	lbs
Rock Hall/19B/GDBS	545	Dean Sheppard	LEAD NITRATE	1.10000000	lbs
Rock Hall/19B/GDBS	545A	Dean Sheppard	LEAD ACETATE	0.05500000	lbs
SFGH Bldg. 100	235C	Peyton III Jacob	LEAD NITRATE	1.00000000	lbs
SFGH Bldg. 9	350	David A. Dichek	LEAD NITRATE	0.22000000	lbs
SFGH Bldg. 9	350	Ralph S. Marcucio	LEAD CHROMATE	0.22000000	lbs
UC Hall	250	Meri T. Firpo	LEAD NITRATE	0.22000000	lbs
UC Hall	490J	Patricia Leake	LEAD ACETATE	0.22000000	lbs
UC Hall	490J	Patricia Leake	LEAD CITRATE, TRIHYDRATE, 96% (TITR.)	1.10000000	lbs
UC Hall	490J	Patricia Leake	LEAD TETRAACETATE	2.20000000	lbs

UCSF

Office of Environmental Health & Safty

Chemical Serach

Confidential

Building	Room	P.I.	Chemical Product Name	Amount	
Ambulatory Care Center/UC Clinics	C034A	M. Kari Connolly	ZINC	0.27500000	lbs
China Basin Landing	2230	Timothy R. Hamill	ZINC	2.00000000	lbs
China Basin Landing	319	Henry F. VanBrocklin	ZINC	2.20000000	lbs
Dentistry	2201	Molly P. Newlon	ZINC METAL	5.00000000	lbs
Genentech Hall	N402A	Wendell Lim	ZINC	0.22000000	lbs
Health Sciences East	1350	John P. Kane	ZINC	0.52834000	gal
Health Sciences East	1350	John P. Kane	ZINC	2.00000000	lbs
Health Sciences East	611	Stanley B. Prusiner	ZINC	0.22000000	lbs
Health Sciences East	611	Stanley B. Prusiner	ZINC, DUST	0.22000000	lbs
Medical Research I/II	314	Clifford Roberts	ZINC	1.00000000	lbs
Medical Sciences	1014	Martin D. Shetlar	ZINC METAL	1.10000000	lbs
Medical Sciences	1347	Henry J. Ralston	ZINC	1.10000000	lbs
Rock Hall/19B/GDBS	481C	Lily Y. Jan	ZINC	0.22000000	lbs
SFGH Bldg. 1	220	David M. Young	ZINC	0.22000000	lbs
SFGH Bldg. 100	239	Peyton III Jacob	ZINC	2.20000000	lbs
SFGH Bldg. 100	339	Michael H. Humphreys	ZINC	0.13200000	gal
SFGH Bldg. 3	638	Jack Lim	ZINC	1.10000000	lbs
UC Hall	490J	Patricia Leake	ZINC	1.10000000	lbs

UCSF

Office of Environmental Health & Safty

Chemical Serach

Confidential

Building	Room	P.I.	Chemical Product Name	Amount	
Byers Hall/QB3	304C	Daniel Louis Minor	MERCURY (II) CHLORIDE	0.22000000	lbs
Byers Hall/QB3	304C	Daniel Louis Minor	PHENYLMERCURY ACETATE	0.11000000	lbs
Environmental Health and Safety	102	Jeffrey Lotz	MERCURY OXIDE	0.22000000	lbs
Genentech Hall	N332	Ronald D. Vale	METHYLMERCURY (II) CHLORIDE	0.01100000	lbs
Genentech Hall	N402A	Wendell Lim	MERCURY	0.06600000	gal
Gladstone Building	WSTE STOR	Vince McGovern	MERCURY	0.13208500	gal
Health Sciences East	611	Stanley B. Prusiner	MERCURY	0.07920000	gal
Health Sciences East	856	Allison J. Doupe	MERCURY	0.00897600	gal
Health Sciences West	413	Thea D. Tlsty	MERCURY (II) CHLORIDE	0.22000000	lbs
Health Sciences West	854	Robert A. Mendelson	MERCURY	0.11792000	lbs
Medical Sciences	257	Philip E. Bickler	MERCURY	5.00000000	lbs
Medical Sciences	921	Stephen Kahl	MERCURY	0.11957300	gal
Moffitt Hospital	M60	Matthew Carlson	MERCURY	1.10000000	lbs
Rock Hall/19B/GDBS	481C	Lily Y. Jan	MERCURY (II) CHLORIDE	0.02200000	lbs

UCSF

Office of Environmental Health & Safty

Chemical Serach

Confidential

Building	Room	P.I.	Chemical Product Name	Amount	
Ambulatory Care Center/UC Clinics	C034A	M. Kari Connolly	THIMEROSAL	0.04400000	lbs
Byers Hall/QB3	505C	Patricia C. Babbitt	THIMEROSAL	0.05500000	lbs
Clinical Sciences	530	Jon D. Levine	THIMEROSAL	0.02200000	lbs
Gallo Research Center	3312	Antonello Bonci	THIMEROSAL	0.00220000	lbs
Genentech Hall	N214	Keith E. Mostov	THIMEROSAL	0.05500000	lbs
Genentech Hall	N314	David O. Morgan	THIMEROSAL	0.03300000	lbs
Genentech Hall	N332	Ronald D. Vale	THIMEROSAL	0.05500000	lbs
Genentech Hall	N401C	Wendell Lim	THIMEROSAL	0.00220000	lbs
Genentech Hall	S349	Barbara Panning	THIMEROSAL	0.08800000	lbs
Genentech Hall	S474	Shaun R. Coughlin	THIMEROSAL	0.05720000	lbs
Gladstone Building	332	Lennart Mucke	THIMEROSAL	0.22000000	lbs
Gladstone Building	345	Yadong Huang	THIMEROSAL	0.05500000	lbs
Gladstone Building	371FF	Robert E. Pitas	THIMEROSAL	0.22000000	lbs
Gladstone Building	533	Warner C. Greene	THIMEROSAL	0.04400000	lbs
Gladstone Building	543	Eric M. Verdin	THIMEROSAL	0.02200000	lbs
Health Sciences East	1350	John P. Kane	THIMEROSAL	0.11000000	lbs
Health Sciences East	1403	James D. Bristow	THIMEROSAL	0.04400000	lbs
Health Sciences East	856	Allison J. Doupe	THIMEROSAL	0.11000000	lbs
Health Sciences East	901B	Ira Herskowitz	THIMEROSAL	0.05500000	lbs
Health Sciences West	1102	Jeffrey A. Bluestone	THIMEROSAL	0.05500000	lbs
Health Sciences West	1475	Richard I. Weiner	THIMEROSAL	0.05500000	lbs
Health Sciences West	1495	Peter T. Ohara	THIMEROSAL	0.16500000	lbs
Health Sciences West	1521	Matthias R. Wabl	THIMEROSAL	0.05500000	lbs
Health Sciences West	547B	Robert Stern	THIMEROSAL	0.02640000	gal

UCSF

Office of Environmental Health & Safty

Chemical Serach

Confidential

Health Sciences West	601	Rik Derynck	THIMEROSAL	0.11000000	lbs
Health Sciences West	681	Caroline H. Damsky	THIMEROSAL	0.04400000	lbs
Health Sciences West	750A	Mary F. Dallman	THIMEROSAL	0.02200000	lbs
Helen Diller Family Cancer Research Bld	HD217	Gabriele Bergers	THIMEROSAL	0.05500000	lbs
LPPI	300	Douglas N. W. Cooper	THIMEROSAL	0.05500000	lbs
LPPI	315	Samuel H. Barondes	THIMEROSAL	0.02200000	lbs
LPPI	A318	Christopher J. Fielding	THIMEROSAL	0.02200000	lbs
Medical Research IV	219	Walter L. Miller	THIMEROSAL	0.12320000	lbs
Medical Sciences	1347	Henry J. Ralston	TINCTURE MERTHIOLATE (THIMEROSAL)	0.00390625	gal
Medical Sciences	1471	Cornelia I. Bargmann	THIMEROSAL	0.05500000	lbs
Medical Sciences	310A	Deborah A. Dean	THIMEROSAL	2.00000000	lbs
Medical Sciences	564	Dorothy Bainton	THIMEROSAL	0.02200000	lbs
Moffitt Hospital	1090	John V. Fahy	THIMEROSAL	0.01540000	lbs
Mt. Zion Bldg. E	205	Claude D. Arnaud	THIMEROSAL	0.16500000	lbs
Mt. Zion Research Center	N171	Joe W. Gray	THIMEROSAL	0.02200000	lbs
Mt. Zion Research Center	N461	James E. Cleaver	THIMEROSAL	0.00880000	lbs
Rock Hall/19B/GDBS	218	Louis F. Reichardt	THIMEROSAL	0.02200000	lbs
Rock Hall/19B/GDBS	218	John L.R. Rubenstein	THIMEROSAL	0.05500000	lbs
Rock Hall/19B/GDBS	377	Thomas B. Kornberg	THIMEROSAL	0.02200000	lbs
Rock Hall/19B/GDBS	390D	Gail R. Martin	THIMEROSAL	0.07700000	lbs
Rock Hall/19B/GDBS	481	Lily Y. Jan	THIMEROSAL	0.02200000	lbs
Rock Hall/19B/GDBS	482	Su Guo	THIMEROSAL	0.02200000	lbs
Rock Hall/19B/GDBS	582	Thiennu H. Vu	THIMEROSAL	0.00220000	lbs
SFGH Bldg. 100	235B	Peyton III Jacob	TINCTURE MERTHIOLATE (THIMEROSAL)	0.00079200	gal
SFGH Bldg. 3	638	Jack Lim	THIMEROSAL	0.02200000	lbs

UCSF

Office of Environmental Health & Safty

Chemical Serach

Confidential

SFGH Bldg. 40	329	Thomas L. Innerarity	THIMEROSAL	0.22000000	lbs
SFGH Bldg. 9	350	David A. Dichek	THIMEROSAL	0.05500000	lbs
UC Hall	336	Christoph W. Turck	THIMEROSAL	0.02200000	lbs

Support documents in response to Information Request Questions:

13. If the answer to Question 10 is yes, identify the average annual quantity of each type of hydraulic oil and transformer oil purchased, produced, used, or stored at each Facility.
    Response: Usage of hydraulic and transformer oil is estimated at about 50 and 5-gallons per year, respectively. Transformer oil is usually not replenish and remains with the transformer till the life of the transformer.

#19

UCSF

University of California, San Francisco Office of Enviromental Health and Safety

Chemical Hazard Classification Report

Inventory Units: FM - 20th and Harrison/CRM
FM - C.U.P. Ammonia Tank Containment
FM - Central Utilities Plant
FM - MTZ B Basement - Engineering
FM - Hunter's Point Engineering
Clinical - ACC - FM
FM - Laurel Heights Campus
FM - OFFSITES
FM - MTZ Hospital
FM - Rock Hall/GDBS
FM - Gladstone Building
FM - Gallo Research Center
FM - Buchanan Dental Clinic
FM - Mission Bay Community Center
FM - PSB Building
FM - MCBG
FM - Dentistry

Ambulatory Care Center/UC Clinics / 784A

	Current Amount		Con Typ	Carc ino	Com Flb	Com Liq	Fire wor	Corr osl	Cryo Fl	Cry Oxl	Expl osiv	Fl Gas	Fl Liq	Fl Soll	Hi Toxl	Oxl	Oxi Gas	Pyro ph	Toxl	Unst able	W. Rea
OXYGEN GAS	152.000000	cuft	L													X					

Total for Ambulatory Care Center/UC Clinics / 784A

Hazard	Solids in lbs	Liquids in gal	Gases in CFeet
Oxidizer			152.00000000

Chemical Hazard Classification Report

Ambulatory Care Center/UC Clinics / AF99B

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
ANTIFREEZE	10.0000000	gal	N																X		
COOLANT	55.0000000	gal	D																		
DIESEL	110.000000	gal	D			X															

Total for Ambulatory Care Center/UC Clinics / AF99B

Hazard	Solids in lbs	Liquids in gal	Gases in CFeet
Combustible Liqid		110.00000000	
Toxic		10.00000000	

Ambulatory Care Center/UC Clinics / AF99E

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
DIESEL	55.0000000	gal	D			X															
FORMULA 12L	20.0000000	gal	N																		
FORMULA GP	55.0000000	gal	E																		
POWER PLUS HEAVY DUTY CLEANER	55.0000000	gal	D																		

Total for Ambulatory Care Center/UC Clinics / AF99E

Hazard	Solids in lbs	Liquids in gal	Gases in CFeet
Combustible Liqid		55.00000000	

Chemical Hazard Classification Report

Ambulatory Care Center/UC Clinics / AF99F

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
DIESEL	55.0000000	gal	D			X															
OIL	110.000000	gal	D			X							X								

Total for Ambulatory Care Center/UC Clinics / AF99F

Hazard	Solids in lbs	Liquids in gal	Gases in CFeet
Combustible Liqid		165.00000000	
Flammable Liquid		110.00000000	

Ambulatory Care Center/UC Clinics / AH99E

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
NITROUS OXIDE	4050.00000	cuft	L													X					
OIL	5.00000000	gal	N			X							X								
OXYGEN COMPRESSED	5400.00000	cuft	L													X					

Total for Ambulatory Care Center/UC Clinics / AH99E

Hazard	Solids in lbs	Liquids in gal	Gases in CFeet
Combustible Liqid		5.00000000	
Flammable Liquid		5.00000000	
Oxidizer			9450.00000000

Ambulatory Care Center/UC Clinics / CAGE

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
OXYGEN, REFRIGERATED LIQUID	7244.00000	cuft	L													X					

Total for Ambulatory Care Center/UC Clinics / CAGE

Hazard	Solids in lbs	Liquids in gal	Gases in CFeet
Oxidizer			7244.00000000

Chemical Hazard Classification Report

Buchanan Dental Clinics / 199M-1

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
PRO AQUA	5.00000000	gal	N																		

Total for Buchanan Dental Clinics / 199M-1

C.U.P. Ammonia Tank Containment Struct. / 1M1

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
CALIBRATION GAS	20.0000000	cuft	L																		
PUMP OIL	15.0000000	gal	N																		

Total for C.U.P. Ammonia Tank Containment Struct. / 1M1

C.U.P. Ammonia Tank Containment Struct. / UST

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
AMMONIA, ANHYDROUS	6800.00000	gal	B					X													

Total for C.U.P. Ammonia Tank Containment Struct. / UST

Hazard	Solids in lbs	Liquids in gal	Gases in CFeet
Corrosive		6800.00000000	

Chemical Hazard Classification Report

Central Utilities Plant / 102

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
NGPS-100	55.0000000	gal	D																		
WASTE OIL	55.0000000	gal	D			X							X								

Total for Central Utilities Plant / 102

Hazard	Solids in lbs	Liquids in gal	Gases in CFeet
Combustible Liqid		55.00000000	
Flammable Liquid		55.00000000	

Central Utilities Plant / 104

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
CARBON DIOXIDE	4800.00000	cuft	L																		
CLEANER - MALOG GTG PATH	55.0000000	gal	D																		
COMPRESSED AIR	2120.00000	cuft	L																		
GAS TURBINE CLEANER	10.0000000	gal	N																		
MA-109C	30.0000000	gal	N																		
NITRIC OXIDE IN NITROGEN	1020.00000	cuft	L					X								X			X		
NITROGEN	510.000000	cuft	L																		
PAINT - CONCRETE FLOOR	5.00000000	gal	N																		

Total for Central Utilities Plant / 104

Hazard	Solids in lbs	Liquids in gal	Gases in CFeet
Corrosive			1020.00000000
Oxidizer			1020.00000000
Toxic			1020.00000000

Central Utilities Plant / 205

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
ACETYLENE GAS	342.000000	cuft	L									X									

Chemical Hazard Classification Report

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
ANTISEIZE - SAFTEZE	0.68750000	gal	N																		
ANTISEIZE - THREAD-EZE ULTRA	8.00000000	lbs	F																		
ANTISEIZE AND LUBRICATING COMPOUND	0.12500000	gal	N																		
BODY FILLER, POLYESTER	1.80000000	gal	F																		
CLEANER - ELECTRIC MOTOR & MACHINERY	3.90625000	gal	N																		
COMPOUND - SILICONE 710	0.02343750	gal	K																		
DETECTOR - FLUORESCENT GAS	1.00000000	gal	F																		
FLUID REMOVER - KRYLON LAYOUT 1412	0.09960937	gal	F																		
GREASE - DIELECTRIC	0.15625000	gal	N																		
GREASE - LITH EASE WHITE LITHIUM	1.00000000	gal	N																		
GREASE - MOBIL SHC100	1.75781250	gal	N																		
GREASE - O-RING, MOLYCOTE	0.33125000	gal	N																		
GREASE - PREMIUM	0.12500000	gal	F																		
GREASE - ROTANIUM BLUE	0.10937500	gal	N																		
GREASE - WHITE LITHIUM, MULTI-PURPOSE	0.62500000	gal	N																		
HAMMERITE - PAINT RUST CAP	1.59375000	gal	N																		
LOCTITE 271	0.07921875	gal	N																		
LOCTITE 567	0.26406250	gal	N																		
LOCTITE 7649	0.21093750	gal	N																		
LUBRICANT - 321 DRY FILM	2.06250000	gal	N																		
LUBRICANT - AQUAGEL II WIRE PULLING	0.50000000	gal	N																		
LUBRICANT - SMALL AIR COMPRESSOR	0.53250000	gal	N																		
LUBRICANT - TRIFLOW INDUSTRIAL	1.87500000	gal	N																		
MAPP GAS	12.7500000	cuft	L									X									
MOTOR OIL	2.00000000	gal	N			X							X								
OIL - AIR COMPRESSOR - RARUS 427	0.12500000	gal	N																		
OXYGEN	225.000000	cuft	L													X					
NT - MARKING	0.01664062	gal	N																		
SEMI-GLOSS BLACK	0.25000000	gal	F																		
RAY, DERUSTO	0.09375000	gal	F																		

Chemical Hazard Classification Report

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
PENETRANT - SPOTCHECK SKL-SP/SKC-S	1.06040000	lbs	N																		
PERMATEX - ULTRA COPPER SEALANT #101BR	0.23437500	gal	N																		
POLYURETHANE GLUE	0.18750000	gal	N																		
POWER STEERING FLUID	0.02343750	gal	N																		
PRIMER - PVC P-70	0.28125000	gal	F																		
PRIMER - PVC/PCVC P-70	0.12500000	gal	F																		
PROPANE	4.25000000	cuft	L									X									
PVC - CEMENT 2711	0.12500000	gal	N																		
PVC 2705	0.43750000	gal	N																		
PVC/CPVC	0.25000000	gal	F																		
REFRIGERANT - RO-FROST 791	0.10937500	gal	F																		
ROUND UP	0.03125000	gal	N																X		
RUSTOLEUM	0.06250000	gal	F																		
SIMPLE GREEN	2.50000000	gal	N																		
TRANS FLUID - AUTOMATIC DEXRON III MERCON	0.25000000	gal	N																		
VACUUM PUMP OIL	0.06250000	gal	N																		
WD-40	0.75000000	gal	F																		
WOOD CONDITIONER	0.12500000	gal	F																		

Total for Central Utilities Plant / 205

Hazard	Solids in lbs	Liquids in gal	Gases in CFeet
Combustible Liqid		2.00000000	
Flammable Gas			359.00000000
Flammable Liquid		2.00000000	
Oxidizer			225.00000000
Toxic		0.03125000	

Central Utilities Plant / 206

Chemical Hazard Classification Report

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
AMMONIA/MONOCHLORAMINE INDICATOR SOLUTION, REAGENT 1	0.52800000	gal	N																		
AMMONIA/MONOCHLORAMINE INDICATOR SOLUTION, REAGENT 2	0.52800000	gal	N																		
AMMONIA/MONOCHLORAMINE INDICATOR SOLUTION, REAGENT 3	0.52800000	gal	N																		
AMMONIA/MONOCHLORAMINE INDICATOR SOLUTION, STANDARD 1	0.52800000	gal	N																		
AMMONIA/MONOCHLORAMINE INDICATOR SOLUTION, STANDARD 2	0.52800000	gal	N																		
APA CLEANING SOLUTION PHOSPHORIC ACID WASH	0.52800000	gal	N																		
BARIUM CHLORIDE 10% (L249)	0.02640000	gal	N																X		
BROMOCRESOL GREEN METHYL RED INDICATOR SOLUTION	0.01980000	gal	N																		
BUFFER SOLUTION PH 10	0.66000000	gal	N																		
BUFFER SOLUTION PH 4	0.59400000	gal	N																		
BUFFER SOLUTION PH 7	0.52800000	gal	N																		
CALCIUM/MAGNESIUM INDICATOR SOLUTION	0.09504000	gal	N																		
CALIBRATION GAS	3.00000000	cuft	L																		
CITRIC ACID F REAGENT SOLUTION	0.03168000	gal	N																		
CLEANER - POWDERED PRECISION	4.00000000	lbs	N																		
CONDUCTIVITY REAGENT	0.39600000	gal	N																		
CONDUCTIVITY STD SOLUTION	0.46200000	gal	M																		
CONDUCTIVITY STD SOLUTION	1.08240000	gal	N																		
DYE TRACER BRIGHTDYES	3.25000000	gal	N																		
EDTA, STANDARD SOLUTION	0.03960000	gal	N																		
HAND CLEANER - ORANGE PUMICE	0.10937500	gal	N																		
HARDNESS BUFFER	0.27500000	lbs	N																		
HARDNESS BUFFER SOLUTION	0.07128000	gal	N																		
HARDNESS INDICATOR	1.10000000	lbs	N																		
HEXAVER TITRATOR CARTRIDGE	0.00686400	gal	N																		
IODATE IODIDE	0.07893600	gal	N																		

Chemical Hazard Classification Report

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
MOLYBDATE REAGENT	0.03168000	gal	M					X													
MOLYBDENUM TC2 REAGENT SOLUTION	0.03960000	gal	N																		
MOLYBDOVANADATE REAGENT	0.38016000	gal	N																		
OXYGEN SCAVENGER REAGENT 1	0.02640000	gal	N																		
OXYGEN SCAVENGER REAGENT 2	0.02640000	gal	N																		
PHENOL RED	0.03960000	gal	M																		
PHENOLPHTHALEIN, INDICATOR	0.27456000	gal	N																		
POTASSIUM CHLORIDE SOLUTION SATURATED AT 20 DEGREE C	0.25000000	gal	M																		
POTASSIUM PERMANGANATE	0.29700000	gal	N					X								X					
SILVER NITRATE	0.00686400	gal	N												X	X					
SODIUM BICARBONATE	15.0000000	lbs	N																		
STARCH INDICATOR SOLUTION	0.14520000	gal	M																		
SULFURIC ACID	0.08236800	gal	N					X								X			X		X
TITRANT SOLUTION HARDNESS	0.01980000	gal	N																		

Total for Central Utilities Plant / 206

Hazard	Solids in lbs	Liquids in gal	Gases in CFeet
Corrosive		0.41104800	
Highly Toxic		0.00686400	
Oxidizer		0.38623200	
Toxic		0.10876800	
Water Reactive		0.08236800	

Central Utilities Plant / 210

Chemical Hazard Classification Report

Confidential

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxl	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
BRAKE FLUID (DOT 3)	0.91000000	gal	F																		
CONTINUUM AEC 213	165.000000	gal	E																		
CORRSHIELD NT402	1.00000000	gal	E																		
CORTROL OS104	85.0000000	gal	D																		
DIESEL #2	10.0000000	gal	F			X															
GASOLINE	26.0000000	gal	F										X								
GREASE	1.00000000	lbs	F																		
LITHIUM BROMIDE	55.0000000	gal	D																		
OPTISPERSE	187.000000	gal	E																		
PAINT THINNER	0.30000000	gal	F										X								
SIMPLE GREEN	18.3000000	gal	D																		
SODIUM BISULFITE	1.00000000	gal	N																		
SODIUM HYPOCHLORITE	80.0000000	gal	E					X								X					
SODIUM HYPOCHLORITE	90.0000000	gal	N					X								X					
SPECTRUS NX106	60.0000000	gal	E																		
SPECTRUS NX114	80.0000000	gal	E																		
STEAMATE NA715	85.0000000	gal	E																		
SUBLIME	55.0000000	gal	D																		
VOLTZ II	20.0000000	gal	F																		

Total for Central Utilities Plant / 210

Hazard	Solids in lbs	Liquids in gal	Gases in CFeet
Combustible Liqid		10.00000000	
Corrosive		170.00000000	
Flammable Liquid		26.30000000	
Oxidizer		170.00000000	

Chemical Hazard Classification Report

Central Utilities Plant / 211

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
DIESEL	225.000000	gal	A			X															

Total for Central Utilities Plant / 211

Hazard	Solids in lbs	Liquids in gal	Gases in CFeet
Combustible Liqid		225.00000000	

Central Utilities Plant / 211A

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
CATALYST - WATERBORNE EPOXY, CLF3784	3.79687500	gal	F																		
COATING - NON-SLIP SAFETY, AS-75	2.00000000	gal	F																		
COATING-WASSER MC TAR	1.00000000	gal	F																		
PAINT - CONCRETE FLOOR	2.00000000	gal	F																		
PAINT - INDUSTRIAL MAINTENANCE COATING CLF371B	22.0000000	gal	F																		
PAINT - SUPER SPEC LATEX	21.2500000	gal	F																		
RUSTOLEUM	6.00000000	gal	F																		
TSP	2.50000000	gal	N																		

Total for Central Utilities Plant / 211A

Central Utilities Plant / AGT

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
LIQUID OXYGEN	312110.000	cuft	A													X					

Total for Central Utilities Plant / AGT

Hazard	Solids in lbs	Liquids in gal	Gases in CFeet
Oxidizer			312110.00000000

Chemical Hazard Classification Report

Central Utilities Plant / OIL SHED

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
ADHESIVE - SUPER 77 SPRAY	0.12500000	gal	N																		
ANTIFREEZE/COOLANT	1.00000000	gal	N																		
ANTIFREEZE/COOLANT - 50/50 MIXTURE	165.000000	gal	D																		
ANTIFREEZE/COOLANT - CATERPILLAR	55.0000000	gal	D																		
ANTIFREEZE/COOLANT - ZEREX	1.00000000	gal	N																		
BRAKE CLEANER	0.46875000	gal	F																		
CAULK - VINYL ADHESIVE, PHENOSEAL	0.39062500	gal	N																		
ETHYLHEXANOL	0.25000000	gal	N																		
GASKET REMOVER - CHISEL AEROSOL	0.14062500	gal	N																		
GREASE - COUPLING, KSG	0.21875000	gal	N																		
GREASE - DURA-LITH	0.10937500	gal	N																		
GREASE - SYNTHETIC, ULTRA HIGH TEMP	0.54687500	gal	N																		
GREASE - TRIFLOW SYNTHETIC WITH TEFLON	5.22720000	lbs	N																		
HAMMERITE PRIMER	1.50000000	gal	F																		
LUBRICANT - 76 GUARDOL 15W-40	275.000000	gal	D																		
LUBRICANT - AIR LINE AA, USDA H-1	1.50000000	gal	F																		
LUBRICANT - AIR LINE AA, USDA H-1	2.00000000	gal	N																		
LUBRICANT - GEAR 80W-90	12.5000000	gal	D																		
LUBRICANT - MAXI LUBE ALUMINUM COMPLEX	1.85937500	gal	F																		
LUBRICANT - SYNTHETIC BLEND NGPS-100	178.750000	gal	D																		
LUBRICANT - SYNTHETIC SH-32T	605.000000	gal	D																		
MACHINE OIL	2.50000000	gal	F																		
MOTOR OIL	15.2500000	gal	N			X							X								
MOTOR OIL - NON-DETERGENT SAE30	0.25000000	gal	N																		
OIL - (FOR ACT GEAR BOX) ISO 220	110.000000	gal	D			X							X								
OIL - CHEVRON ISO100	15.0000000	gal	F			X							X								
OIL - CUTTING, COOL TOOL II	3.00000000	gal	N			X							X								
OIL - DTE EXTRA HEAVY DUTY	10.0000000	gal	F			X							X								
OIL - HYDRAULIC AW ISO46	55.0000000	gal	D			X							X								

Chemical Hazard Classification Report

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
OIL - HYDRAULIC DTE 24	5.00000000	gal	F			X							X								
OIL - PNEUMATIC TOOL	0.46875000	gal	N			X							X								
OIL - PUMP, DUO SEAL	2.00000000	gal	N			X							X								
OIL - SYNTHETIC, BEARING & GEAR, SHC 629	1.25000000	gal	F			X							X								
PAINT - PRECISION COLOR, SPRAY	0.21093750	gal	F																		
PAINT - SPRAY, KRYLON, ENGINE COLOR	0.17187500	gal	F																		
PLASTI DIP	0.17187500	gal	F																		
POWER STEERING FLUID	0.25000000	gal	N																		
RUST INHIBITOR/REMOVER	5.00000000	gal	N																		
SEALANT - WALSEAL, MULTIPURPOSE	0.32812500	gal	N																		
TRANSFLUID - AUTOMATIC 76 SUPER ATF	15.0000000	gal	F																		
VACUUM PUMP OIL	27.0000000	gal	N																		

Total for Central Utilities Plant / OIL SHED

Hazard	Solids in lbs	Liquids in gal	Gases in CFeet
Combustible Liqid		216.96875000	
Flammable Liquid		216.96875000	

Central Utilities Plant / RO SKID

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
PROPANE	2046.00000	cuft	L									X									

Total for Central Utilities Plant / RO SKID

Hazard	Solids in lbs	Liquids in gal	Gases in CFeet
Flammable Gas			2046.00000000

Chemical Hazard Classification Report

Central Utilities Plant / ROOF

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
ACETYLENE	334.000000	cuft	L									X									
ACETYLENE GAS	228.000000	cuft	L									X									
OXYGEN	1000.00000	cuft	L													X					
PROPYLENE (PROPENE)	215.000000	cuft	L									X									

Total for Central Utilities Plant / ROOF

Hazard	Solids in lbs	Liquids in gal	Gases in CFeet
Flammable Gas			777.00000000
Oxidizer			1000.00000000

Dentistry / D399 M4

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
HELIUM (ULTRA HIGH PURITY)	442.000000	cuft	L																		
NITROGEN GAS	2145.00000	cuft	L																		
NITROUS OXIDE, COMPRESSED	1648.00000	cuft	L													X					
OXYGEN COMPRESSED	5922.00000	cuft	L													X					

Total for Dentistry / D399 M4

Hazard	Solids in lbs	Liquids in gal	Gases in CFeet
Oxidizer			7570.00000000

Chemical Hazard Classification Report

Gallo Research Center / AGT

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osl	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
DIESEL	1200.00000	gal	A			X															

Total for Gallo Research Center / AGT

Hazard	Solids in lbs	Liquids in gal	Gases in CFeet
Combustible Liqid		1200.00000000	

Chemical Hazard Classification Report

Gladstone Building / 183A

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
BLEACH	0.75000000	gal	N					X								X					
CAULKING	1.10880000	gal	N																		
CONTACT CLEANER	0.42968750	gal	F																		
ENGINE DEGREASER	0.17187500	gal	F																		
GLYCEROL	0.26417000	gal	M																		
MAPP GAS	16.2000000	cuft	L									X									
MINERAL SPIRITS	0.25000000	gal	F										X								
OIL	2.00000000	gal	N			X							X								
PAINT - ENAMEL	1.00000000	gal	F			X															
RUST REFORMER	3.00000000	gal	N																		
SPRAY PAINT	2.53125000	gal	F																		
TSP	1.00000000	gal	N																		
WD-40	0.42968750	gal	F																		

Total for Gladstone Building / 183A

Hazard	Solids in lbs	Liquids in gal	Gases in CFeet
Combustible Liqid		3.00000000	
Corrosive		0.75000000	
Flammable Gas			16.20000000
Flammable Liquid		2.25000000	
Oxidizer		0.75000000	

Gladstone Building / 331

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
NITROGEN	225.000000	cuft	L																		

Total for Gladstone Building / 331

Chemical Hazard Classification Report

Gladstone Building / 341

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
HELIUM GAS	225.000000	cuft	L																		

Total for Gladstone Building / 341

Gladstone Building / 345

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
ARGON	225.000000	cuft	L																		
NITROGEN	225.000000	cuft	L																		

Total for Gladstone Building / 345

Gladstone Building / 346

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
ARGON	225.000000	cuft	L																		
NITROGEN	225.000000	cuft	L																		

Total for Gladstone Building / 346

Gladstone Building / 349

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
CARBON DIOXIDE-OXYGEN MIXTURE	450.000000	cuft	L																		

Total for Gladstone Building / 349

Chemical Hazard Classification Report

Gladstone Building / 351

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
CARBON DIOXIDE	450.000000	cuft	L																		
NITROGEN	225.000000	cuft	L																		

Total for Gladstone Building / 351

Gladstone Building / 352

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
CARBON DIOXIDE	900.000000	cuft	L																		
HYDROGEN	225.000000	cuft	L									X									
NITROGEN	225.000000	cuft	L																		

Total for Gladstone Building / 352

Hazard	Solids in lbs	Liquids in gal	Gases in CFeet
Flammable Gas			225.00000000

Gladstone Building / 353

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
CARBON DIOXIDE	900.000000	cuft	L																		
LIQUID CO2	3622.00000	cuft	L																		

Total for Gladstone Building / 353

Gladstone Building / 356

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
NITROGEN	225.000000	cuft	L																		

Total for Gladstone Building / 356

Chemical Hazard Classification Report

Gladstone Building / 436C

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
ETHYL ALCOHOL	17.0000000	gal	F										X								
ETHYL ALCOHOL	0.49948800	gal	N										X								
HEXANES	0.26417000	gal	M										X								
METHANOL	8.45344000	gal	M										X						X		

Total for Gladstone Building / 436C

Hazard	Solids in lbs	Liquids in gal	Gases in CFeet
Flammable Liquid		26.21709800	
Toxic		8.45344000	

Gladstone Building / 436D

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
HYDROCHLORIC ACID	2.11336000	gal	N					X													
SULFURIC ACID	2.11327500	gal	M					X								X			X		X

Total for Gladstone Building / 436D

Hazard	Solids in lbs	Liquids in gal	Gases in CFeet
Corrosive		4.22663500	
Oxidizer		2.11327500	
Toxic		2.11327500	
Water Reactive		2.11327500	

Gladstone Building / 450

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
ARGON/METHANE/COMPRESSED AIR	225.000000	cuft	L																		

Total for Gladstone Building / 450

Chemical Hazard Classification Report

Gladstone Building / 453

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
NITROGEN	225.000000	cuft	L																		

Total for Gladstone Building / 453

Gladstone Building / 456

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
NITROGEN	225.000000	cuft	L																		

Total for Gladstone Building / 456

Gladstone Building / 803

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
GREASE - MOBIL SHC100	0.09765625	gal	R																		
PAINT - INDUSTRIAL MAINTENANCE COATING CLF371B	0.46875000	gal	F																		
RUSTOLEUM	1.00000000	gal	F																		
SEALANT, FIRE BARRIER	0.07920000	gal	R																		
SEALANT, SIKAFLEX 1A	0.07920000	gal	R																		
SPRAY PAINT	0.37500000	gal	F																		
WINDEX	0.24974400	gal	N																		

Total for Gladstone Building / 803

Gladstone Building / 804

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
MORTON SYSTEM SAVER PELLETS	1350.00000	lbs	N																		

Total for Gladstone Building / 804

Chemical Hazard Classification Report

Gladstone Building / 805

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
FORMULA 12L	24.0000000	gal	N																		
FORMULA 151	30.0000000	gal	N					X													
FORMULA 159	30.0000000	gal	N																		

Total for Gladstone Building / 805

Hazard	Solids in lbs	Liquids in gal	Gases in CFeet
Corrosive		30.00000000	

Gladstone Building / 806

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
FORMULA 20022	50.0000000	gal	N					X													
FORMULA 30-A	50.0000000	gal	N																		
FORMULA 32	50.0000000	gal	N																		

Total for Gladstone Building / 806

Hazard	Solids in lbs	Liquids in gal	Gases in CFeet
Corrosive		50.00000000	

Gladstone Building / AGT

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
DIESEL	5000.00000	gal	A			X															

Total for Gladstone Building / AGT

Hazard	Solids in lbs	Liquids in gal	Gases in CFeet
Combustible Liqid		5000.00000000	

Chemical Hazard Classification Report

Gladstone Building / GEN

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
DIESEL	600.000000	gal	A			X															

Total for Gladstone Building / GEN

Hazard	Solids in lbs	Liquids in gal	Gases in CFeet
Combustible Liqid		600.00000000	

Gladstone Building / L. N2 TANK

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
LIQUID NITROGEN	257100.000	cuft	L																		

Total for Gladstone Building / L. N2 TANK

Gladstone Building / LD DOCK

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
LIQUID CO2	18070.0000	cuft	L																		

Total for Gladstone Building / LD DOCK

Chemical Hazard Classification Report

Hunters Point 830 / 111

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hl Toxl	Oxi	Oxi Gas	Pyro ph	Toxl	Unst able	W. Rea
AA-4015	5.00000000	gal	N					X													
C-480	10.0000000	gal	N																		
OIL	10.0000000	gal	N			X							X								

Total for Hunters Point 830 / 111

Hazard	Solids in lbs	Liquids in gal	Gases in CFeet
Combustible Liqid		10.00000000	
Corrosive		5.00000000	
Flammable Liquid		10.00000000	

Hunters Point 830 / Tank

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hl Toxl	Oxi	Oxi Gas	Pyro ph	Toxl	Unst able	W. Rea
DIESEL	500.000000	gal	A			X															
PROPANE	30.0000000	cuft	L									X									

Total for Hunters Point 830 / Tank

Hazard	Solids in lbs	Liquids in gal	Gases in CFeet
Combustible Liqid		500.00000000	
Flammable Gas			30.00000000

Laurel Heights / AGT

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hl Toxl	Oxi	Oxi Gas	Pyro ph	Toxl	Unst able	W. Rea
DIESEL	1000.00000	gal	A			X															

Total for Laurel Heights / AGT

Hazard	Solids in lbs	Liquids in gal	Gases in CFeet
Combustible Liqid		1000.00000000	

Chemical Hazard Classification Report

Mission Bay Community Center / 1M4

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
CALCIUM HYPOCHLORITE, TECH., TABLETS, 70% AVAILABLE CHLORINE	500.000000	lbs	N													X					
CARBON DIOXIDE	1620.00000	cuft	L																		
HRR ENHANCER	496.540000	lbs	N					X													

Total for Mission Bay Community Center / 1M4

Hazard	Solids in lbs	Liquids in gal	Gases in CFeet
Corrosive	496.54000000		
Oxidizer	500.00000000		

Mission Bay Community Center / 1U1

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
DIESEL	1000.00000	gal	A			X															

Total for Mission Bay Community Center / 1U1

Hazard	Solids in lbs	Liquids in gal	Gases in CFeet
Combustible Liqid		1000.00000000	

Chemical Hazard Classification Report

Mission Bay Community Center / 2M3

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
FORMULA 1014-L	50.0000000	gal	E																		
FORMULA 221L	50.0000000	gal	N																		
FORMULA 315	50.0000000	gal	E					X													
FORMULA 32	50.0000000	gal	E																		

Total for Mission Bay Community Center / 2M3

Hazard	Solids in lbs	Liquids in gal	Gases in CFeet
Corrosive		50.00000000	

Mission Bay Community Center / 3L3

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
DIESEL	200.000000	gal	A			X															

Total for Mission Bay Community Center / 3L3

Hazard	Solids in lbs	Liquids in gal	Gases in CFeet
Combustible Liqid		200.00000000	

Mission Center Bldg. / 1FM-EG

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
DIESEL	700.000000	gal	A			X															

Total for Mission Center Bldg. / 1FM-EG

Hazard	Solids in lbs	Liquids in gal	Gases in CFeet
Combustible Liqid		700.00000000	

Chemical Hazard Classification Report

Mt. Zion Bldg. B / B0-02

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
LIQUID NITROGEN	50.1923000	gal	F																		

Total for Mt. Zion Bldg. B / B0-02

Mt. Zion Bldg. B / B0-10

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
BLEACH	9.00000000	gal	M					X								X					
DEGREASER-26H	10.0000000	gal	N																		
DRAIN CLEANER	1.00000000	gal	N																		
LOCTITE 271	1.00000000	gal	M																		
METHANE	200.000000	cuft	L									X									
PAINT - ENAMEL	2.00000000	gal	F			X															
PAINT THINNER	7.00000000	gal	N										X								
PUMP OIL	5.00000000	gal	N																		
RUST CLEANER	1.58502000	gal	F																		

Total for Mt. Zion Bldg. B / B0-10

Hazard	Solids in lbs	Liquids in gal	Gases in CFeet
Combustible Liqid		2.00000000	
Corrosive		9.00000000	
Flammable Gas			200.00000000
Flammable Liquid		7.00000000	
Oxidizer		9.00000000	

Mt. Zion Bldg. B / B0-10E

Total for Mt. Zion Bldg. B / B0-10E

Chemical Hazard Classification Report

Mt. Zion Bldg. B / B0-12

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
SANACOR	1.00000000	gal	N																		
SANAMINE 8941	35.0000000	gal	E																		
SANATHERM 8101	35.0000000	gal	E																		

Total for Mt. Zion Bldg. B / B0-12

Mt. Zion Bldg. B / B0-13

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
OXYGEN COMPRESSED	400.000000	cuft	L													X					

Total for Mt. Zion Bldg. B / B0-13

Hazard	Solids in lbs	Liquids in gal	Gases in CFeet
Oxidizer			400.00000000

Mt. Zion Bldg. P / P2-07A

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
LATEX PAINT	9.00000000	gal	F																		
LATEX PAINT	80.0000000	gal	N																		

Total for Mt. Zion Bldg. P / P2-07A

Chemical Hazard Classification Report

PSB/Parnassus Service Building / 1F1

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
MAPP GAS	8.00000000	cuft	L									X									
PAINT - ENAMEL	1.00000000	gal	N			X															
PUMP OIL	2.00000000	gal	N																		

Total for PSB/Parnassus Service Building / 1F1

Hazard	Solids in lbs	Liquids in gal	Gases in CFeet
Combustible Liqid		1.00000000	
Flammable Gas			8.00000000

PSB/Parnassus Service Building / 1L1

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
ARGON	450.000000	cuft	L																		

Total for PSB/Parnassus Service Building / 1L1

Chemical Hazard Classification Report

Rock Hall/19B/GDBS / 172

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
BARIUM CHLORIDE	0.06250000	gal	N																X		
BLEACH	0.75000000	gal	N					X								X					
MURIATIC ACID	1.00000000	gal	N					X													
NEUTRALIZING SOLUTION	0.12500000	gal	N										X								
POTASSIUM IODIDE	0.26417000	gal	N																		
SULFURIC ACID	0.26417000	gal	N					X								X			X		X

Total for Rock Hall/19B/GDBS / 172

Hazard	Solids in lbs	Liquids in gal	Gases in CFeet
Corrosive		2.01417000	
Flammable Liquid		0.12500000	
Oxidizer		1.01417000	
Toxic		0.32667000	
Water Reactive		0.26417000	

Rock Hall/19B/GDBS / 174

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
CEMENT	5.00000000	gal	N																		
DEGREASER-26H	1.00000000	gal	N																		
OIL	15.0000000	gal	N			X							X								
PAINT - ENAMEL	50.0000000	gal	N			X															
REFRIGERANT-22	2.50000000	gal	N																		

Total for Rock Hall/19B/GDBS / 174

Hazard	Solids in lbs	Liquids in gal	Gases in CFeet
Combustible Liqid		65.00000000	
Flammable Liquid		15.00000000	

Chemical Hazard Classification Report

Rock Hall/19B/GDBS / 1M1

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
MORTON SYSTEM SAVER PELLETS	2400.00000	lbs	J																		

Total for Rock Hall/19B/GDBS / 1M1

Rock Hall/19B/GDBS / 1M2

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
DIESEL	782.000000	gal	A			X															

Total for Rock Hall/19B/GDBS / 1M2

Hazard	Solids in lbs	Liquids in gal	Gases in CFeet
Combustible Liqid		782.00000000	

Rock Hall/19B/GDBS / 1M3

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
FORMULA 12L	50.0000000	gal	N																		
FORMULA 20022	40.0000000	gal	F					X													
NALCO 2837	30.0066000	gal	N					X													
NALCO 2838	20.0000000	gal	D					X													
ROSS C-420	10.0000000	gal	N																		
STABREX ST 20	75.0000000	gal	F																		
SUPPLEMENTAL COOLANT ADDITITIVE	5.00000000	gal	N																		
TRASAR 23209	50.0000000	gal	F																		

Total for Rock Hall/19B/GDBS / 1M3

Hazard	Solids in lbs	Liquids in gal	Gases in CFeet
Corrosive		90.00660000	

Chemical Hazard Classification Report

Rock Hall/19B/GDBS / 1M4

	Current Amount		Con Typ	Carc ino	Com Fib	Com Liq	Fire wor	Corr osi	Cryo Fl	Cry Oxi	Expl osiv	Fl Gas	Fl Liq	Fl Soli	Hi Toxi	Oxi	Oxi Gas	Pyro ph	Toxi	Unst able	W. Rea
FORMULA 1154	40.0000000	gal	N																		
FORMULA 1156	20.0000000	gal	N																		
FORMULA 159	50.0000000	gal	N																		
FORMULA 48	50.0000000	gal	N					X													
ROSS BT-313	25.0000000	gal	N																		
ROSS BT-530	60.0000000	gal	F																		
ROSS C-420	5.00000000	gal	N																		
TRANSPORT PLUS 2800	45.0000000	gal	F																		
TRI-ACT 2813	40.0000000	gal	F																		

Total for Rock Hall/19B/GDBS / 1M4

Hazard	Solids in lbs	Liquids in gal	Gases in CFeet
Corrosive		50.00000000	

Totals for inventory unit:

FM - 20th and Harrison/CRM
FM - C.U.P. Ammonia Tank Containment
FM - Central Utilities Plant
FM - MTZ B Basement - Engineering
FM - Hunter's Point Engineering
Clinical - ACC - FM
FM - Laurel Heights Campus
FM - OFFSITES
FM - MTZ Hospital
FM - Rock Hall/GDBS
FM - Gladstone Building
FM - Gallo Research Center
FM - Buchanan Dental Clinic
FM - Mission Bay Community Center
FM - PSB Building

Chemical Hazard Classification Report

FM - MCBG

FM - Dentistry

Hazard	Solids in lbs	Liquids in gal	Gases in CFeet
Combustible Liqid		11906.96875000	
Corrosive	496.54000000	7261.40845300	1020.00000000
Flammable Gas			3661.20000000
Flammable Liquid		475.86084800	
Highly Toxic		0.00686400	
Oxidizer	500.00000000	183.26367700	339171.00000000
Toxic		21.03340300	1020.00000000
Water Reactive		2.45981300	

Support documents in response to Information Request Questions:

17. For each container that Respondent used to store a SOI or in which SOIs were purchased ("Substance-Holding Containers" or "SHCs") that was later removed from the facility, provide a complete description of where the SHCs were sent and circumstances under which the SHCs were removed from the Facility, Distinguish between the Relevant Time Period and the time period since 1988, and describe any changes in Respondent's practices over time.
Response: From 1976 to 1980, SOIs were sent to the following sites for disposal: WCC Landfill (foot of Parr Boulevard, Richmond, CA); Nuclear Engineering Company, PO Box 156, San Ramon, CA 94596; Environmental Disposal Services (EDS), Kettleman Hills, CA; Casmalia Resources, NTU Road, Casmalia, CA.

From 1980 to 1988, SOIs were sent to the following sites for disposal: Casmalia Resources, NTU Road, Casmalia, CA; Chemical Waste Management, Highway 41, Kettleman Hills, CA.

From 1989 to present, SOIs were sent to the following sites for disposal: Crosby and Overton Environmental Management, Inc., 8430 Amelia Street, Oakland, CA 94621; Recyclotron Oil, Inc., DBA Refineries Service, PO Box 1171, Patterson, CA 95363; Evergreen Environmental Services, 6880 Smith Avenue, Newark, CA 94560; Rollins Environmental Services, 3777 Spinnaker Court, Fremont, CA 94538; Burlington Environmental, LLC, Kent Facility, Kent, Washington, 98032; AERC, Allentown, PA 18103; AERC, Hayward, CA 94544; Clean Harbors Treatment, Storage, Disposal Facilities in San Jose, Aragonite, Utah, Deer Park, Texas and Phoenix.

#17

List of Chemical Waste Vendors from 1976 to present
University of California, San Francisco
Office of Environmental Health and Safety

1976, 1977, 1978

Nuclear Engineering Company, Inc.
P.O. Box 156
San Ramon, Ca 94596
(415) 837-1561

or

Nuclear Engineering Company, Inc.
P.O. Box 7246
Louisville, Kentucky 40207
(502) 426-7160

1978, 1979, 1980, 1981

Safety Specialists, Inc.
3284F Edward Avenue
Santa clara, CA 95060
(408) 988-1111

1980, 81, 82, 83, 84, 85, 86, 87, 88, and 1989

North State Environmental
P.O. Box 5624
South San Francisco, CA 94080
(415) 588-2838

1982, 1983, 1984

Zero Waste Systems
2928 Poplar Street
Oakland, CA 94608
(415) 893-8257

1983 and 1984

IT Corporation
3010 Zanker Road
San Jose, CA 95134
(408) 263-7250

1984

Ensco Incorporated
P.O. Box 1957
El Dorado, AR 71730
(501) 863-7173

1987, 1988 and 1990

General Electric Company
c/o American Environmental Management Corporation
11855 White rock Road
Rancho Cordova, Ca 95670

1989

Crosby and Overton Environmental Management, Inc.
8430 Amelia Street
Oakland, CA 94621
(510) 633-0336

Recyclotron oil, Inc.
DBA Refineries Service
P.O. Box 1171
Patterson, CA 95363
1-800-874-4444

1990

RESNA (was Ensco, was Exceltech Environmental Services)
41674 Christy Street
Fremont, CA 94538
(510) 659-0404

Evergreen Environmental Services
6880 Smith Avenue
Newark, CA 94560
1-800-972-5284

1991 - Present

CA Advanced Environmental Technology Corporation
Hayward Commerce Center
19410 Cabot Blvd.
HAyward, CA 94545
(510) 782-7000

RESNA
41674 Christy Street
Fremont, CA 94538
(510) 659-0404

Rollins Environmental Services
3777 Spinnaker Court
Fremont, Ca 94538
1-800-422-3244

Support documents in response to Information Request Questions:

18. For each SHC that was removed from the Facility, describe Respondent's contracts, agreements, or other arrangement under which SHCs were removed from the Facility, and identify all parties to each contract, agreement, or other arrangement described. Distinguish between the Relevant Time Period and time period since 1988.
Response: There were no records of contracts, agreements or other arrangement found from 1940 to 1978. From 1979 to 1989, agreements were in the form of a quote submitted by a hazardous chemical waste vendor to UCSF to provide disposal of laboratory waste. Parties to the agreements were North State Environmental, Safety Specialists, Zero Waste Systems, IT Corporation, Ensco Incorporated, General Electric Company, Crosby and Overton Environmental Management, RESNA, and Evergreen Environmental Services, (waste vendors), UCSF's Office of Environmental Health and Safety and Materiel Management.

From 1990 to 1994, agreements were in the form of a contract submitted by a hazardous chemical waste vendor to dispose of laboratory waste including asbestos waste. Among the participants in the agreements were California Advanced Environmental Technology Corporation, Rollins Environmental Services, and RESNA (waste vendors), Office of Environmental Health and Safety and Materiel Management.

From 1994 to the present agreements were in the form of a UC systemwide contract to dispose of laboratory waste. Among the participants in the agreements were UC systemwide waste managers (consisting of 10 UC campuses and national laboratory), UC Office of the President, UCSF's Office of Environmental Health and Safety and Materiel Management and Ecology Control Industries, Rollins Environmental Services, Laidlaw Environmental Service, Philips Environmental Services, MSE Environmental, Inc., Evergreen Environmental Services, Safety-Kleen, Onyx Environmental Service, Photo Waste Recycling, and Merry X-Ray (waste vendors).

Uarco Business Forms - Ro

-7 OUT ®

#18

INSTRUCTIONS FOR PREPARING THIS FORM ARE ON THE REVERSE

UNIVERSITY OF CALIFORNIA PURCHASE REQUISITION

Dept. No.	Ext.	Purpose or use, suggested vendors, and comments. (Use reverse of this sheet if necessary.)
	1794	SAFETY SPECIALISTS, INC. 3284 F Edward Ave. Santa Clara, CA. 95050 (408)988-1111
Requisition Date: 6/19/78	Date Needed:	
Cost Not to Exceed: 1,000		

DATE

Deliver To:

Send order copy to: 1 cc: PHYS. PLANT
1cc: EH&S/1344-3rd Ave.

VENDOR NO.	RECORDING NO.

PLEASE DO NOT TYPE IN SHADED AREAS

Name of Dept. and Budget: PHYSICAL PLANT- PLANT SERVICES

Type	Loc.	Account	Fund	Sub.	Object	Amount
	2	646501	19900	3		

F.O.B.	SHIP BY	PRICE BY	TERMS-From Receipt of Goods or Invoice Whichever is Later

QUANTITY	DESCRIPTION (DOUBLE SPACE ENTRIES)		CATALOG NO.
	FOR: pick-up, transport, and disposal of laboratory waste:		
	20 55-gal. druns, @$32.75 each	655.00	
	20 bolts @$0.55 each	11.11	
	20 gaskets @$0.20 each	4.00	
	Calif. Sales Tax @6.5% (on $15.00	.98	
	35 cubic feet of dry lab waste @$4.75 each	166.25	
		$837.23	

DELIVERY SHALL BE MADE

DEPARTMENT APPROVAL	ADMINISTRATIVE APPROVAL	
[signature]	PURCHASING DEPARTMENT	ORIGINAL PURCHASE REQUISITION

SAFETY SPECIALISTS INCORPORATED
3284 F EDWARD AVENUE • SANTA CLARA, CALIFORNIA 95050 • TELEPHONE (408) 988-1111

June 17, 1978

Mr. Art Rich
Environmental Health and Safety
University of California Medical Center
1344 Third Avenue
San Francisco, California 94143

Dear Art:

Subject: SSI Quote No. WD-78.4, Disposal of Waste Chemicals

Safety Specialists, Inc., will pick up, transport, and dispose of the University's waste laboratory chemicals which have been packaged (by University personnel) inside twenty 55-gallon DOT-17H drums for a charge of $32.75 per drum ($655.00). The fee also includes the affixing of hazard class labels and corresponding DOT proper shipping names onto the outside of each drum as well as gasketing and bolting each. The cost of each bolt and gasket will be $0.55 and $0.20, respectively. The charge for disposal of approximately 35 cubic feet of dry laboratory waste (contaminated with carcinogenic material) packaged in fiberboard boxes will be $4.75 per cubic foot ($166.25). In addition, Safety Specialists personnel will transcribe the packing list of each shipping container to insure compliance with Title 49, Code of Federal Regulations.

Disposal of the chemical waste will be in accordance with Chapter 6.5, Division 20 of the Health and Safety Code; Division 4, Title 22 of the California Administrative Code; and the laws, regulations, and guidelines promulgated by the California State Department of Health. You will be furnished with two copies of the Hazardous Waste Manifest (shipping document) plus attached sheets listing all the chemicals which have been packaged in each shipping container. One of these copies must be sent to the Department of Health (Sacramento office) and the other must be retained for a period of one year. After disposal, Safety Specialists will send a third copy (disposal site section completed) to you verifying the proper handling and disposal of the chemicals.

If you should have any questions or need additional information, please do not hesitate to call.

Sincerely,

SAFETY SPECIALISTS, INC.

Kenneth J. Wilkins

Kenneth J. Wilkins
Supervisor
Technical Services

KJW:wlm

Enclosure

SSI Quote No. WD-78.4

June 17, 1978

SUMMARY QUOTE

Cost Per Item

Pickup, transport, and disposal of laboratory waste:

55-gallon drums	$32.75/each
Bolts	.55/each
Gaskets	.20/each
Dry laboratory waste	4.75/cubic foot

Estimate

Pickup, transport, and disposal of laboratory waste:

20 55-gallon drums @ $32.75/each	$655.00
20 Bolts @ $0.55/each	11.00
20 Gaskets @ $0.20/each	4.00
California Sales Tax @ 6.5% (on $15)	.98
35 cubic feet of dry laboratory waste @ $4.75/cubic foot	166.25
TOTAL ESTIMATE	$837.23

University of California Medical Center
Waste Chemicals for Disposal

55-gallon drum UCMC-1

4 x 1 gal Hydrochloric acid, Corrosive
1 x 9 lb Hydrochloric acid, Corrosive
1 x 1 pt Hydrochloric acid, Corrosive
1 x 1 gal Hydrobromic acid, Corrosive
4 x 1 pt Sulfuric acid, Corrosive
1 x 9 lb Nitric acid, Corrosive
1 x 1 gal Nitric acid, Corrosive
2 x 1 pt Nitric acid, Corrosive
2 x 1 gal Acid liquid, n.o.s. (Sulfuric-Dichromate), Corrosive
1 x 1 gal Valeric acid, Corrosive
1 x 1 gal Propionic acid, Corrosive
1 x 1 gal Phosphoric acid, Corrosive
1 x 1 pt Glacial acetic acid, Corrosive
3 x 9 lb Ammonium hydroxide, Corrosive
1 x 10 lb Sodium dichromate, Oxidizer
1 x 5 lb Potassium dichromate, Oxidizer

55-gallon drum UCMC-2

2 x 1 gal Hydrochloric acid, Corrosive
1 x 9 lb Hydrochloric acid, Corrosive
2 x 1 pt Hydrochloric acid, Corrosive
1 x 9 lb Sulfuric acid, Corrosive
3 x 1 pt Sulfuric acid, Corrosive
90 lb Acid liquid, n.o.s. (Sulfuric-Dichromate), Corrosive
2 x 1 pt Phosphoric acid, Corrosive
1 x 1 gal Acetic acid, glacial, Corrosive
1 x 1 pt Acetic acid, glacial, Corrosive
4 x 1 pt Formic acid, Corrosive
1 x 1 gal Ammonium hydroxide, Corrosive
1 x 1 pt Ammonium hydroxide, Corrosive
10 lb Potassium dichromate, Oxidizer
1 x 1 lb Trichloroacetic acid, Corrosive

55-gallon drum UCMC-3

1 x 1 pt Hydrochloric acid, Corrosive
1 x 1 qt Hydrochloric acid, Corrosive
1 x 9 lb Phosphoric acid, Corrosive
4 x 1 gal Acid liquid, n.o.s. (Sulfuric acid-Dichromate), Corrosive
12 x 9 lb Acid liquid, n.o.s. (Sulfuric acid-Dichromate), Corrosive
1 x 1 qt Acid liquid, n.o.s. (Sulfuric acid-Dichromate), Corrosive
1 x 1 lb Sodium hydroxide, Ltd. Qty., Corrosive

55-gallon drum UCMC-4

3 x 1 gal Dioxane, Flammable Liquid
3 x 1 gal Flammable liquid, n.o.s. (Hexane-Ether), Flammable Liquid
1 x 1 gal Toluene, Flammable Liquid
3 x 1 pt Ethanol, Flammable Liquid
1 x 1 pt Tetrahydrofuran, Flammable Liquid
4 x 1 lb Ether, Flammable Liquid
3 x 1 gal Hexane, Flammable Liquid
4 x 1 gal Methyl alcohol, Flammable Liquid
8 pt Methylal, Flammable Liquid

55-gallon drum UCMC-5

4 x 1 gal Dioxane, Flammable Liquid
1 x 1 qt Dioxane, Flammable Liquid
1 x 1 gal Ether, Flammable Liquid
2 x 1 gal Methyl alcohol, Flammable Liquid
1 x 1 gal Butyl alcohol, Flammable Liquid
1 x 1 gal Hexane, Flammable Liquid
1 x 1 gal Amyl acetate, Flammable Liquid
1 x 1 pt Amyl acetate, Flammable Liquid
2 x 1 gal Xylene, Flammable Liquid
2 x 1 gal Flammable liquid, n.o.s. (Xylene-Isopropanol), Flammable Liquid
1 x 1 gal Ethanol, Flammable Liquid
1 x 1 gal Methylene chloride
1 x 1 gal Ethylene dichloride, Flammable Liquid
3 x 1 pt Oil, n.o.s.
1 x 1 pt Necoloidine
1 x 1 pt Diatex medium

55-gallon drum UCMC-6

1 x 1 gal Butyl ether, Flammable Liquid
4 x 1 gal Xylene, Flammable Liquid
1 x 1 gal Acetone, Flammable Liquid
2 x 1 gal Butyl alcohol, Flammable Liquid
1 x 1 pt Butyl alcohol, Flammable Liquid
2 x 1 gal Amyl acetate, Flammable Liquid
1 x 1 gal Flammable liquid, n.o.s. (Xylene-Isopropanol), Flammable Liquid
2 x 1 gal Isopropyl alcohol, Flammable Liquid
4 x 1 pt Dioxane, Flammable Liquid
5 x 1 pt Pyridine, Flammable Liquid
1 x 1 pt Flammable liquid, n.o.s. (Alcohol-Phenol), Flammable Liquid

University of California Medical Center (Continued)
Waste Chemicals for Disposal

55-gallon drum UCMC-7

1 x 1 gal Cyclohexane, Flammable Liquid
2 x 1 gal Acetone, Flammable Liquid
2 x 1 gal Heptane, Flammable Liquid
4 x 1 gal Toluene, Flammable Liquid
4 x 1 gal Flammable liquid, n.o.s. (Toluene-Methyl alcohol), Flammable Liquid
5 x 1 gal Oil, n.o.s.
1 x 1 qt Oil, n.o.s.

55-gallon drum UCMC-8

4 x 1 gal Flammable liquid, n.o.s. (Methanol-Toluene), Flammable Liquid
7 x 1 gal Acetone, Flammable Liquid
2 x 1 pt Acetone, Flammable Liquid
1 x 1 gal Petroleum ether, Flammable Liquid
1 x 1 lb Ether, Flammable Liquid
4 x 1 gal Methanol, Flammable Liquid
1 x 1 gal Flammable liquid, n.o.s. (Hexyl ether), Flammable Liquid
6 x 1 pt Hexane, Flammable Liquid
1 x 1 pt Xylene, Flammable Liquid
5 x 1 pt Pyridine, Flammable Liquid
1 x 1 pt Tetrahydrofuran, Flammable Liquid
1 x 1 qt 2-Butoxy ethanol
1 x 1 gal Oil, n.o.s.

55-gallon drum UCMC-9

2 x 1 gal Butyl alcohol, Flammable Liquid
2 x 1 gal Petroleum ether, Flammable Liquid
2 x 1 gal Acetonitrile, Flammable Liquid
4 x 1 gal Flammable liquid, n.o.s. (Acetonitrile-Methyl alcohol), Flammable Liquid
1 x 1 qt Methyl acetate, Flammable Liquid
1 x 1 pt Methyl acetate, Flammable Liquid
1 x 1 qt Ether, Flammable Liquid
1 x 1 gal Pyridine, Flammable Liquid
1 x 1 pt Pyridine, Flammable Liquid
1 x 1 gal Benzene, Flammable Liquid
1 x ½ gal Benzene, Flammable Liquid
1 x 1 pt Collodion, Flammable Liquid
1 x 1 pt Xylene, Flammable Liquid
4 x 1 gal Flammable liquid, n.o.s. (Xylene-Isopropanol), Flammable Liquid
1 x 1 pt Isopropyl acetate, Flammable Liquid
1 x 1 gal Ethylene dichloride, Flammable Liquid

55-gallon drum UCMC-10

2 x 1 gal Heptane, Flammable Liquid
1 x 1 gal Isoamyl alcohol, Flammable Liquid
2 x 1 gal Ethylene dichloride, Flammable Liquid
1 x 1 gal Butyl alcohol, Flammable Liquid
7 x 1 qt 2-Phenoxyethanol
1 x 1 qt Amyl acetate, Flammable Liquid
1 x 1 pt Triethanol
2 x 1 pt Tetrahydrofuran, Flammable Liquid
3 x 1 gal Methanol, Flammable Liquid
3 x 1 gal Toluene, Flammable Liquid
1 x 1 qt Butyl chloride, Flammable Liquid
1 x 1 gal Flammable liquid, n.o.s. (Triton X scintillation solution), Flammable Liquid
4 x 1 qt Flammable liquid, n.o.s. (Triton X scintillation solution), Flammable Liquid
1 x 1 qt Flammable liquid, n.o.s. (Liquifluor), Flammable Liquid
1 x 1 pt Flammable liquid, n.o.s. (Scinteverse), Flammable Liquid
1 x 1 pt Flammable liquid, n.o.s. (Protosol), Flammable Liquid
2 x 1 pt Ethylene dichloride, Flammable Liquid

55-gallon drum UCMC-11

1 x 3 Kg Acrylamide
1 x 2 lb Acrylamide
7 x 1 pt Glutaraldehyde
2 x 1 lb Phenol, Poison B
1 x 1 lb Thioglycolate medium
1 x 1 qt Benzoate
6 x 1 pt Osmium tetroxide
1 x 1 gal Ammonium chloride
1 x 1 pt Sodium bisulfate
1 x 1 lb Chloroform
5 x 1 lb Benzoyl chloride, Corrosive, Ltd. Qty.
40 lb Miscellaneous chemicals

University of California Medical Center (Continued)
Waste Chemicals for Disposal

55-gallon drum UCMC-12

3 x 1 gal Azide-Acetate
2 x 1 pt Epon resin
8 x 1 pt Ethylene glycol
8 x 1 pt Nonenyl succinic anhydride
5 x 1 lb Phosphorus pentoxide
1 x 1 qt Phthalate
1 x 1 lb Lithium carbonate
1 x 1 lb Ferrous ammonium sulfate
2 x 1 lb Phenol, Poison B
1 x 1 lb Potassium sulfate
1 x 1 lb Lithium carbonate
5 x 1 lb Resin waste
2 x 1 gal Chloroform
1 x 1 gal Formaldehyde
2 x 1 qt Cellusolve
2 x 1 pt Aniline

UC Office of the President

Purchasing Services - Agreements Database

Agreement Record

Vendor Name:	PSC Environmental Services Div	**Commodity Type:**	Services-Waste/Disposal/Repair
Product/Commodity:	Hazardous Waste Disposal	**UC Agreement #:**	083/OP/055
Agreement Type:	Primary	**Vendor Agreement #:**	n/a
Expiration Date:	09/30/2010	**RFP:**	Yes - 2006
SBA Classification:			
Delivery Terms:	N/A	**UC Contract Owner:**	Darryl Sweet 510.987.0473 Darryl.Sweet@ucop.edu UCOP Purchasing Svcs
Payment Terms:	Net 30 days		
Issue Orders to:	See designated point of contact for each location.		
Vendor Rep 1:	Andrea Antell	**Phone :**	(215) 896-7554
Vendor Rep 2:	Paul Schultz	**Phone :**	(412) 227-6139
Vendor homepage:	http://www.pscnow.com/		

Participating Locations:

Campuses:	All Campuses
Labs:	All Labs
MedCtrs:	All Medical Centers

Files:

Last Updated	Document Name
11/21/2006	Master Agreement (2006)
05/02/2007	PSC Location Contact List
11/20/2007	2007-2008 Price List
11/20/2006	PSC Location Page
12/04/2006	PSC - Operating Units
05/02/2007	Southern California Specific Contact Information
04/25/2007	PSC ER Rate Schedule
02/27/2007	PSC Emergency Response Info.
10/18/2006	PSC Operations Plan(2006)
01/30/2008	QBR - 1/2008
10/18/2006	PSC Attachment 10 - Appendix A Labs Only (2006)
10/18/2006	PSC Attachment 13 - EHS Contacts(2006)
10/18/2006	PSC Addendum B - Environmental Insurance(2006)
12/18/2006	Certificate of Insurance (2006)
10/18/2006	PSC Attachment 1 - Pricing(2006)

Submit Feedback

STRATEGIC SOURCING AGREEMENT
UC CONTRACT # 083/OP/055
SUPPLIER CONTRACT #_____

This Agreement for HAZARDOUS WASTE MANAGEMENT, TRANSPORTATION AND DISPOSAL SERVICES is entered into between PSC (hereinafter also referred to as "SUPPLIER" or "the SUPPLIER"), a [DE] corporation, and THE REGENTS OF THE UNIVERSITY OF CALIFORNIA (hereinafter also referred to as "UNIVERSITY" or "the UNIVERSITY"), a California public corporation, on October 1, 2006 and becomes fully-executable upon the date that it is signed by both parties.

1. DEFINITIONS

- "Agreement" – This University of California Systemwide Agreement for Hazardous Waste Management and Disposal (see also "Primary Source"). "Agreement" and "Contract" may be used interchangeably throughout this document.
- "Bid response" – The terms "bid", "bid submittal", "bid response", "proposal," and "RFP response" are used interchangeably in this Agreement and refer to SUPPLIER's documents and attachments in response to the UNIVERSITY's RFP #083/OP/055.
- "Campus" – Any UNIVERSITY campus, medical center, or National Laboratory which may be operated by the UNIVERSITY on behalf of the Federal Government.
- "Contract Administrator" – The contract manager designated by the UNIVERSITY Office of the President, Strategic Sourcing, to administer the Agreement.
- "Certificate of Disposal," "Certificate of Destruction or Recycling" or "CD" – A document certifying the final disposition of each waste container in compliance with all applicable regulatory requirement. The Certificate must reflect the facility the date and the method of disposition for each waste container. The certification language must meet the definition in 40CFR761.3.
- "Days" – Unless otherwise stated, refers to calendar days.
- "DOE" – Refers to the United States Department of Energy
- "DOT" – Refers to the United States Department of Transportation, unless the California Department of Transportation (also referred to as "CalTrans") is specified.
- "EH&S Officer" – Environmental Health and Safety Director, or their authorized representative, for each UNIVERSITY Location.
- "Emergency Response Service" – Response to an unplanned event for immediate control and mitigation of an emergency situation such as spills under direction of the campus technical staff. The response can include arrangement for identification, packaging and transportation of resulting waste. Subcontractor will be required to be able to mobilize sufficient qualified personnel and equipment to respond to the emergency within 2 hours of notification.
- "Environmental Impairment Liability Insurance" – Same as pollution liability insurance.
- "EPA" – Refers to either the United States Environmental Protection Agency, unless the California Environmental Protection Agency (also referred to as "CalEPA") is specified
- "Field Station" – An off-campus research facility.
- "Full Service" – The providing of supplies and lab-packing services in addition to transportation and disposal of the UNIVERSITY's hazardous waste; this includes labor and materials to prepare worksite and cleanup to original site condition. This also includes professional and technical personnel to inspect, lab pack, bulk, HazCat (categorize the hazardous material(s)), document, profile, package, transport and dispose of the UNIVERSITY's waste according to all applicable federal, state and local regulations, TSDF waste acceptance criteria, Department of Energy orders where applicable at the National Laboratories and UNIVERSITY policies and procedures. Full Service should be provided with a minimum of two (2) qualified individuals at the appropriate functional classification.
- "Gross Weight" – Total weight of the filled shipping container, including all fillers, absorbent, shipping container and hazardous waste.
- "Hazard Categorization" or "HazCating" – The labor, materials and analytical work provided by the SUPPLIER per sample for the exclusive purpose of identifying or classifying chemicals sufficient to satisfy all applicable TSDF waste acceptance criteria and regulatory agency requirements.

- "Invoice," "Acceptable Invoice," "Valid Invoice," and "Correct Invoice" are used interchangeably within this document and refer to a written request for payment (invoice) which meet both of the following requirements: 1) it is formatted to include each of the items specified in the minimum requirements below and 2) it is pre-approved by the designated location EH&S representative as accurate.
- "Invoice Date" – The date that the valid Invoice is received by the Accounts Payable Department for each specific location. The Invoice Date marks "Day 1" from an Accounts Payable perspective and is used to calculate payment terms such as "Net 30."
- "Laboratory Moves (or "Lab Moves") – May include all or part of inventorying, packing, handling and moving hazardous and associated materials from one location to another at a certain location or campus; and, when necessary, hazcating as necessary, packing and/or transportation and disposal of hazardous waste. Unless bid as a separate (unusual in size or complexity) quote, the UNIVERSITY expects standard contract labor and material charges apply for Lab Moves and standard contract transportation and disposal charges apply per any hazardous waste accepted during a Lab Move work assignment.
- "Lab-packing Services" – Includes collecting, sampling, consolidating, profiling, packaging, labeling, loading and other handling of hazardous waste, containers and paper work while physically working at UNIVERSITY facilities.
- "Location" – includes all sites and facilities noted below as "participating locations" in this Agreement. Please note that a Campus or Laboratory "Location" may include several pick-up or loading docks.
- "Net Weight" – For lab-packs, weight of internal material and primary containers, excluding all packaging materials and outer shipping containers; for bulk solids and liquids, weight of the waste material only.
- "Pollution Insurance" -- Insurance to cover risks associated with the contamination of the environment - air, ground, or water. Liability from pollution is frequently excluded to some degree in the general, auto, and umbrella liability policies.
- "Primary Source", "Primary Supplier", "Primary Agreement" – refers to the Supplier or Agreement with such Supplier, which is awarded a specified scope of the UNIVERSITY's business after public bid. For Primary Agreements, the UNIVERSITY commits to use its best efforts to use the Primary Supplier for all work under the scope of the Agreement unless specifically prohibited by law, UNIVERSITY policy or particular circumstance.
- "Backup Source", "Backup Supplier", "Backup Agreement" - refers to the Supplier or Agreement with such Supplier, which is awarded a specified scope of the UNIVERSITY's business after public bid. For Backup Agreements, the University commits to use its best efforts to use the Backup Supplier in the event that a Primary Supplier can not provide a satisfactory service and/or respond timely to the University needs for all work under the scope of the Agreement unless specifically prohibited by law, UNIVERSITY policy or particular circumstance.
- "Profiling" – Submission of information concerning a waste stream to a treatment, storage, or disposal facility for determination regarding the acceptability of the waste stream by the treatment, storage, or disposal facility. Profiling is not the same as hazard categorization. However, information obtained from a hazard categorization may be included in a profile submission.
- "Reactive Chemical" – Those chemicals that require the EPA waste code of D003.
- "Request for Proposal" – The terms "Request for Proposal" (RFP) and "bid request" are used interchangeably in this RFP and refer to this document and the referenced attachments.
- "Self Pack" – The UNIVERSITY's authorized and trained personnel perform all packing and bulking of waste in preparation for SUPPLIER's pick up, transportation and disposal of the UNIVERSITY's waste. SUPPLIER may provide reasonable guidelines and restrictions for "Self Packing" to the UNIVERSITY. These guidelines are subject to acceptance or modification by the UNIVERSITY. Any such modification must also be approved by SUPPLIER.
- "Special Projects" – Short term or temporary support services or services rendered for non-routine matters.
- "Supplier" - The terms "SUPPLIER," "Respondent" and "Bidder" are used interchangeably in this Agreement and refer to the same entity, the provider of goods and services to the UNIVERSITY.
- "Systemwide" – The term "Systemwide" refers to all UNIVERSITY participating locations, collectively. "Systemwide" and "UNIVERSITY wide" are used interchangeably in this RFP.
- "Training" – Professional instructional services and educational services in the areas of inspection, handling, analyzing, processing, treatment, etc., of hazardous waste materials and issues involving hazardous waste materials.

- Transportation & Disposal Price – The total charge for transporting and disposing of hazardous waste from UNIVERSITY facilities to a UNIVERSITY-approved TSDF, including any necessary profiling, manifesting, and other documentation associated with proper waste disposal.
- "Treatment/Disposal Method" – The UNIVERSITY's approved method of treatment and disposal for all identified waste streams in the Pricing Attachment. It is the UNIVERSITY's desire to use the most environmentally safe and cost effective U.S. Environmental Protection Agency (USEPA) and California EPA (Cal/EPA) approved methods for the disposition of its waste.
- "TSDF" and "Final TSDF" – "TSDF" Means Treatment, Storage, or Disposal Facility, as defined in Title 22 California Code of Regulations, Section 66260.10 and in Title 40 Code of Federal Regulations 260.10. The "Final TSDF" means the last place at which a hazardous substance is treated, recycled, disposed or destroyed. Hazardous waste, unless rendered non-hazardous, would never be transported from a "Final TSDF" to any other location. The "Final TSDF" issues the "Certificate of Disposal," "Certificate of Destruction or Recycling" or "CD" (defined above).
- "UNIVERSITY", "UC" and "University of California" – All of these names are used interchangeably and refer to ALL ten campuses, the Lawrence Berkeley National Laboratory, their participating field locations, and remote sites collectively.
- "UNIVERSITY Affiliates" – Separate institutions or businesses that have a close business relationship with the UNIVERSITY and allow the UNIVERSITY to establish Agreements that are eligible for their participation. Any such participation must be documented and mutually agreed-to by SUPPLIER and Affiliate and may refer to or use this Agreement and Pricing.
- "Web Tracking" – Any secure internet portal or web-based interface that is hosted by SUPPLIER and enables UNIVERSITY personnel to follow the transportation, treatment and final disposal of all UNIVERSITY generated waste handled by the SUPPLIER.
- "Waste Tracking" – a capability provided by the SUPPLIER to the UNIVERSITY which enables sufficiently detailed information to track the disposition of each manifested waste substance, and its original container, where applicable, from the site of the generation to and including any interim treatment facility to the site of final treatment or disposal.
- "Work" – all obligations, duties, requirements, and responsibilities required to be undertaken for the successful completion of the Agreement by the SUPPLIER, including the furnishing of all supervision, labor, materials, equipment and other supplies incidental with the execution of the Agreement and in accordance with the terms and conditions set forth in the Agreement.

2. AGREEMENT TERM, CURE PERIOD AND TERMINATION

2.1. **Initial Agreement Period.** The initial Agreement period shall be four (4) years, beginning October 1, 2006 and ending September 31, 2010.

2.2. **Agreement Extension.** The UNIVERSITY reserves the right and SUPPLIER agrees to allow the UNIVERSITY the option to extend, at the UNIVERSITY's discretion, this Agreement term for up to three (3) additional one-year periods, at the same terms and conditions as the original Agreement.

In the event the UNIVERSITY requires additional time to initiate a new or extended Agreement at the end of the initial term or any extended period, the SUPPLIER agrees to continue providing services to the UNIVERSITY on a month-to-month basis, for a period not to exceed six (6) months, at the prices, terms and conditions in effect during the prior period.

2.3. **Cure Period .** If the UNIVERSITY deems, in its sole judgment, that the SUPPLIER has failed to demonstrate full compliance with the Agreement requirements, or may be otherwise in breach of this Agreement, the UNIVERSITY will issue notice in writing and provide thirty (30) days to cure.

2.4. **Termination.** The UNIVERSITY may terminate this Agreement for convenience at any time in whole or in part, in accordance with the terms of Article 4 of UNIVERSITY Terms and Conditions, Appendix "A", as attached. In the event of such termination, the UNIVERSITY agrees to provide SUPPLIER at least forty-five (45) days advance written notice of the effective date of termination and the extent

thereof without penalty. If SUPPLIER wishes to terminate Agreement before its expiration, SUPPLIER must provide at least ninety (90) days advance written notice of such intent.

2.5. **Force Majeure.** Except as otherwise provided in this Agreement, if either party is delayed or prevented from performing any act required by reason of earthquake, fire or casualty or natural disaster, strike or other labor dispute, moratorium, riot, civil disturbance, or any other circumstance beyond the reasonable control of the party, then the time for performance of such act shall be extended to the extent reasonably required as a result of such Force Majeure.

3. USAGE

3.1. **Agreement Utilization & "Primary" Designation.** The UNIVERSITY recognizes the SUPPLIER as the Primary source for the scope of processes and services awarded under this Agreement and further specified as Attachment 1, Price Worksheet 1 (Section 1, Block 1 and Block 3). The SUPPLIER is agreeing to perform contract as per pricing matrix supplied on 8/1/06 and named Contract Pricing rev 8-2-06.xls and is supplied as requested in confirmed final version located in PSC Attachments 1-3 and named Attachment 1 PSC Contract Pricing 8-23-06.

The UNIVERSITY commits to use reasonable efforts to encourage use of SUPPLIER (the "Primary Supplier") for all work under the scope of the Agreement unless specifically prohibited by law, UNIVERSITY policy or particular circumstance. The UNIVERSITY, however, does not mandate use of its Primary Agreements, and participating UNIVERSITY locations may choose to use other vendors. SUPPLIER will actively work with each participating UNIVERSITY location to continue to pursue the business under the scope of this Agreement. The UNIVERSITY retains all rights to purchase like items and services from other sources when necessary to comply with law or to address particular short-term events.

3.2. **Agreement Utilization & "Backup" Designation. The** UNIVERSITY recognizes SUPPLIER as the Backup source for the scope of processes and services awarded under this Agreement and further specified as Attachment 1, Price Worksheet 1 (Section 1, Block 2).

3.3. **Agreement Utilization & "Optional" Designation. The** UNIVERSITY recognizes SUPPLIER as the Optional source for the scope of processes and services awarded under this Agreement and further specified as Attachment 1, Price Worksheet 2 (Section 2). The University decision to use Supplier for the services listed in Section 2 will be made locally by each University location. Also, University locations reserve the right to negotiate specific terms, including pricing for the services listed in Section 2.

Estimates of usage as provided in the Request for Proposal (RFP) preceding this Agreement were provided as estimates only, and do not constitute a commitment of any kind. Failure of the UNIVERSITY to purchase estimated quantities shall not constitute either a breach of this Agreement or grounds for termination or cancellation of this Agreement.

3.4. **Participating Locations.** Participating UNIVERSITY locations are:
University of California, Berkeley (UCB),
University of California, Davis (UCD),
University of California, Irvine (UCI),
University of California, Los Angeles (UCLA),
University of California, Merced (UCM)
University of California, Riverside (UCR),
University of California, Santa Barbara (UCSB),
University of California, Santa Cruz (UCSC),
University of California, San Diego (UCSD),
University of California, San Francisco (UCSF),
and Lawrence Berkeley National Laboratory (LBNL).

4. PRICING

4.1. **Pricing Structure.** The SUPPLIER shall render services to the UNIVERSITY in accordance with the Pricing attached here as Attachments 1-3. Prices are quoted both as "T&D" (Transportation and Disposal) and "Full Service" per specified unit of measure (i.e. lb. (pound)) for each identified waste stream or category of waste. In addition, there are prices per hour for certain categories or types of service, which may apply to special or routine projects.

4.2. **Discounts.** The UNIVERSITY shall receive the benefit of any promotional and or quantity discounts offered to other customers during this Agreement period if such discounts would result in a lower selling price to the UNIVERSITY. The UNIVERSITY shall receive equal or lower pricing per specified unit of measure extended to any other customer of the SUPPLIER's during the same time period (i.e., same calendar year).

4.3. **Price Protection.** The attached prices are firm for at least the first twelve (12) months of the Agreement, except in the event of changes in environmental regulations, rules, or statutes that result in a change in cost to supplier. In addition, the UNIVERSITY agrees that, in the event of an unusual or catastrophic event resulting in a significant cost increase of greater than ten percent (10%) to SUPPLIER, the UNIVERSITY will negotiate with SUPPLIER, in good faith, a reasonable adjustment in SUPPLIER'S rate schedule (Attachment 4, Section 1, Block 1) provided SUPPLIER provides documentation to substantiate such event.

4.4. **Price Decreases.** Offers for price decreases are immediately accepted by the UNIVERSITY and, effective on the Invoice Date showing the first price decrease shall become the new standard systemwide price for that exact item or service at all UNIVERSITY locations. Exceptions are made for special quote items such as large projects, for which lower unit prices may be accepted as a one-time occurrence; such quotes should be labeled "special quote."

4.5. **Price Increases.** After the first twelve (12) months of this Agreement, the SUPPLIER is eligible to request a price increase. Requests for price increases may only be made once each year, in writing, at least 30 days in advance of the contract anniversary date.

In each twelve (12)-month period, the proposed price increase will not exceed 5.00% or CPI (the Consumer Price Index, as measured by the U.S. Department of Labor Bureau of Labor Statistics), whichever is less, for any standard line item specified in the attached Pricing document. If the SUPPLIER does not request a price increase for any item (identified in the Price Attachment), that year's item price change is noted as Zero (0), or as a forfeited option.

In the event that a certain line item specified in the attached Pricing document has a significant price increase in excess of five (5) percent, those prices shall be negotiated individually between both parties.

4.6. **Fees and "Other" Charges.** Prices identified in the attached Pricing document are net prices per unit of measure, and are inclusive of all transportation-associated costs. No surcharges or additional charges (i.e., fuel surcharges, freight, transportation fees, special handling fees, etc.) will be billed for any service provided under this agreement unless granted in advance on an exception basis by the University of California Contract Administrator at UC Office of the President.

No minimum waste quantity is required for waste pickup. SUPPLIER must pick up waste regardless of size of order. SUPPLIER and the UNIVERSITY may mutually agree to aggregate (or hold) certain waste for pickup where space and time constraints permit. There is no additional charge or fee for small waste pickups.

4.7. **Taxes.** Tax status may vary, depending upon the nature of the funding source. Goods purchased with Federal funds, whereby title for goods passes directly to the government, are tax exempt. The

UNIVERSITY representative placing the purchase order will advise the SUPPLIER if the order is tax exempt. If no notification on tax status is given to the SUPPLIER, then the SUPPLIER shall consider the products to be taxable and services to be not taxable. The SUPPLIER's quotes and invoices must include all applicable taxes and a description of each line item.

4.8. **Patronage Incentive.** During the term of this Agreement, and any extension(s) to such term, the SUPPLIER agrees to provide the UNIVERITY a quarterly Patronage Incentive in the amount equal to two (2) percent of the total sales of Products and Services. The amount of quarterly Patronage Incentive provided to each UNIVERITY location will be calculated based on the total quarterly sales to each location. Each participating UNIVERSITY location shall have the right to modify proposal Pricing for the individual location up to 2% in the event UNIVERSITY location(s) decide not to implement a rebate program. The Patronage Incentive will be issued to The Regents of the University of California and mailed to each UNIVERSITY location participating in the rebate program.

5. INVOICING AND SETTLEMENT

5.1. **"Invoice to" at each UNIVERSITY Location.** Records for work done at each UNIVERSITY location must be kept separate from all other locations, and invoices shall be issued to the individual UNIVERSITY location for which the work was specified at time of order or as agreed during the implementation planning meeting(s) at that location (i.e. some UNIVERSITY locations may have invoices sent directly to the Accounts Payable department at that location and others will review and approve invoices at the EH&S Department).

5.2. **Minimum Invoice Information Requirement.** Invoices are expected to be timely and accurate when submitted to the UNIVERSITY, and must indicate at a minimum:

- PURCHASE ORDER NUMBER or release number
- UNIVERSITY AGREEMENT NUMBER
- DATE items were picked up or services were rendered
- EPA ID#, where applicable, for the UNIVERSITY pickup site or site where services were rendered
- REFERENCE NUMBER of up to 32 digits provided by the UNIVERSITY for accounting units
- Additional Customer or Project Number as may be provided by the UNIVERSITY at time of order
- ORIGINAL ORDER & INVOICE NUMBER for all credit invoices
- "LEVEL 2" AND "LEVEL 3" P-CARD (purchasing card) information (when P-Card is used for settlement)
- LINE BY LINE DESCRIPTIONS of all items or services, which must EXACTLY MATCH the shipping document/ manifest or services ordered
    - Each line must contain:
    - NET QUANTITY
    - SHORT DESCRIPTION of the item or service
    - UNIT OF MEASURE
    - PRICE PER UNIT OF MEASURE
    - BLOCK & SUB-BLOCK identification corresponding to the Pricing document format
    - TOTAL NET PRICE for that line
    - TAX STATUS of that line (i.e., indication of whether item is taxable or not)
- TOTAL SALES TAX as a separate line item, where applicable
- DISCOUNTS, when applicable, as a separate line item for each discount applied

5.3. **Payment Terms.** Standard payment terms are Net 30 days after acceptance of an accurate invoice. Invoices must be received after services have been rendered and/or products delivered. The SUPPLIER agrees to offer UNIVERSITY location(s) prompt payment discounts for invoices paid in less than Net 30 days.

5.4. **Invoice Timeliness and Accuracy.** UNIVERSITY monies are typically allocated for specific fiscal years and the failure to have invoices paid and cleared during a specific period of time may result in the

loss of said monies to the UNIVERSITY. Therefore, the UNIVERSITY requires the SUPPLIER to work with each UNIVERSITY accounts payable office to understand that location's cut-off dates and requirements for acceptance of accurate invoices. Some locations will not accept or pay late invoices, submitted more than six months after the date of service.

5.5. **Continuous Improvement of the Invoicing Process.** The SUPPLIER and UNIVERSITY will work together at each location to improve invoice management and quality of the process, including but not limited to Invoice pre-approval process improvement, consolidated invoicing, electronic invoicing & settlement.

5.6. **Settlement of Invoices.** The SUPPLIER must accept payment of individual or consolidated monthly invoices by:

- Check
- EFT (Electronic Funds Transfer)
- ACH (Automated Clearing House) batched electronic payments
- EDI (Electronic Data Interchange), XML (eXtensible Markup Language)
- Purchasing Card / "P-Card" / "Ghost Card" (a purchasing card held by a department rather than an individual)
- Other electronic means as may be mutually-agreed upon at the Implementation Planning Meetings at each UNIVERSITY location

6. SCOPE OF WORK AND SERVICE LEVEL AGREEMENT

6.1. **Scope of Work – Overview.** Scope of work encompasses management and handling of Self-Pack (UNIVERSITY Packed) waste and Lab Packing and Bulk Wastes streams (see Attachment 1, Section I, Block 1), General Labor, transportation of UNIVERSITY generated waste to a UNIVERSITY-approved, fully permitted treatment and disposal facilities and the timely reporting of the status (i.e., treatment, disposal, destruction) of each waste substance. The SUPPLIER shall perform all work as the Primary Source SUPPLIER for the each of the identified waste streams.

Work shall consist of packing (if requested by a Campus), transportation and disposal of UNIVERSITY hazardous wastes, including a wide variety of chemicals from research and instructional laboratories and medical centers. Such wastes also include wastes from campus services such as: paint shops, machine shops, transportation services (automotive and equipment repair), plating shops, agriculture stations, building and boiler maintenance, electrical maintenance, carpenter shops, and other maintenance operations.

Required work may include a varying degree of lab pack and bulking services at each Campus. Some UNIVERSITY sites may only require "transportation and disposal" of hazardous waste. Other UNIVERSITY sites may require "full service" or a combination of both.

6.2. **Descriptions of Services.** The following services are within the scope of this Agreement; each service MUST be provided according to all applicable federal, state and local regulations, TSDF waste acceptance criteria, Department of Energy orders where applicable at the National Laboratories, and UNIVERSITY policies and procedures.

For all services, unless otherwise agreed upon, the SUPPLIER is responsible for providing their own safety gear, containers, tools and any apparatus or materials as may be required to satisfactorily perform the service.

The SUPPLIER may be given one or more physical areas in which to operate and routinely, or for a special project, provide service and will be responsible for all inspection and housekeeping requirements within the defined area. Should the area(s) not pass inspection, a corrective action plan and timeline for correction will be developed by the EH&S Officer.

The Supplier will provide training to members of UC free of charge as per their response to section 3.m of the RFP "General Capabilities Questions". The training will be provided in separate Northern California and Southern California Sessions on dates agreed to by UC and the supplier.

6.2.1. **"Full Service"** – The providing of supplies and lab-packing services in addition to transportation and disposal of the UNIVERSITY's hazardous waste, including labor and materials to prepare worksite and cleanup to original site condition.

"Full Service" also includes professional and technical personnel to inspect, lab pack, bulk, HazCat (categorize the hazardous material(s)), document, profile, package, transport and dispose of UNIVERSITY's waste. "Full Service" should be provided with a minimum of two (2) qualified individuals at the appropriate functional classification, unless more or fewer are mutually agreed to at the time of order in advance of the service(s) rendered. Any containers packaged by the SUPPLIER that do not meet the disposal site Waste Acceptance Criteria or that are not in compliance with DOT or EPA regulations shall be repackaged at the expense of the SUPPLIER.

The EH&S Officer shall review and sign each waste profile sheet prior to the shipment of any waste.

6.2.2. **Transportation (of "Self Pack" hazardous waste) and Disposal Only.** The SUPPLIER arranges for timely (reference 6.3.4) pick up and shipment of waste from each location. The SUPPLIER labels and packages containers for shipment and profiles the waste (at some locations containers may already be labeled by UC EH&S staff). The SUPPLIER prepares manifests, bills of lading and associated documentation, including land disposal notification and/or certification and packing lists. SUPPLIER loads containers (or tanker trucks, where applicable) for shipment and processes, treats, disposes and tracks all waste streams.

The EH&S Officer shall review and sign each waste profile sheet prior to the shipment of any waste. The SUPPLIER may provide reasonable guidelines and restrictions for "Self Packing" to the UNIVERSITY for any waste for which T&D only is used. Such packing guidelines are subject to acceptance or modification by the UNIVERSITY. Any such modification must also be approved by the SUPPLIER.

6.2.3. **Contract Labor / Labor provided on a Per-Hour Basis for Special Projects not Included in Full Service and T&D Scope.** The SUPPLIER may provide services on a per-hour or project-by-project basis or may assist UNIVERSITY personnel for the services below.

6.2.3.1. **Waste Packaging and Treatment,** which includes:

- Classification and segregation by hazard class of wastes
- Packaging waste into containers labeling each by hazard class
- Bulking compatible wastes for recycling, fuels blending, treatment, storage or disposal, including compatibility testing of bulking candidates
- Repackaging waste into larger or smaller containers if not acceptable for disposal in their current quantities or containers
- Lab packing wastes by hazard class, chemical compatibility and disposal site criteria to reduce shipping and disposal cost
- Lead and asbestos surveys, sampling, or abatement, polychlorinated biphenyl (PCB) handling, decontamination, drum crushing, pumping rain water from berms and yard and facility maintenance (i.e. housekeeping, filter change out, etc.)
- Sampling wastes and preparing samples for analysis. Samples should characterize waste and profile waste for disposal

6.2.3.2. **Analysis of Material,** which includes:

- Sample analysis to determine hazardous characteristics
- Fingerprint testing or HazCating waste materials whose characteristics must be identified prior to packaging, storage or disposal

6.2.3.3. **Waste Analytical Testing,** which includes testing and analytical documentation of all tests (including the type of test, method, date and time rendered, results, location of tests and name of person performing the tests).

The UNIVERSITY shall not be charged for routine or mandatory testing (i.e., BTU and pH analysis) required to process or dispose of UNIVERSITY waste. The SUPPLIER shall obtain verbal UNIVERSITY approval by the EH&S Officer prior to performing any waste analysis to be separately charged to the UNIVERSITY.

6.2.3.4. **Hazardous Waste Administrative Consulting,** includes the provision of professional and technical personnel, as directed by the EH&S Officer, to assist in the timely and accurate preparation of required technical documents and reports.

6.2.4. **Job Title and Skill Categories**

6.2.4.1. **On-Site Supervisor/Chemist:** The On-Site Supervisor is an employee that has sufficient skills, job knowledge and experience to supervise other employees. This person completes cost reports, QA (Quality Assurance) reports and other reports as required. As a chemist, will be responsible for classifying and segregating the waste by hazard class, determining Proper Shipping Names, segregating compatible chemicals for bulking, HazCating wastes and providing labpack schemes per TSDF requirements.

6.2.4.2. **Senior Technician**: The Senior Technician is an employee who may work without supervision under direction of the On-Site Supervisor/Chemist and will perform tasks such as bulking and lab packing as assigned.

6.2.4.3. **Technician**: The technician is an employee who performs the assigned tasks under supervision of the On-Site Supervisor. Supervision responsibility maybe delegated to the EH&S Officer by agreement.

6.2.4.4. **Shipping Clerk**: The shipping clerk is an employee who completes all manifests, Land Disposal Restriction forms and other documents for all shipments under direction of the On-Site Supervisor or the EH&S Officer.

6.2.4.5. **Hazardous Waste Driver/Technician**: This employee is primarily the driver of a permitted hazardous waste hauler vehicle. The driver may also act as a technician while at the UNIVERSITY site to assist in packaging the materials, labeling drums and loading the truck. The driver is responsible for insuring that the truck is properly placarded and operational.

6.2.4.6. **Emergency Responder**: This employee will respond to hazardous chemical spills at the UNIVERSITY site, assist the EH&S Officer in the analysis of the situation and in the development of a plan to mitigate the circumstances and will use proper techniques to clean up spills/hazards to the satisfaction of the EH&S Officer.

6.3. **Service Level Agreement**

6.3.1. **Trained and Qualified Employees.** The SUPPLIER shall only provide qualified personnel to work under this Agreement. The SUPPLIER shall submit resumes for all proposed personnel performing work on UNIVERSITY property to the EH&S Officer at the applicable location(s). Should the EH&S Officer deem anyone proposed or provided by the SUPPLIER unfit for his or her duties, the EH&S Officer will inform the SUPPLIER, and the SUPPLIER shall remove such person from work under this Agreement immediately. Any such removed employee shall not, without prior written consent of the EH&S Officer, be assigned to work again under this Agreement.

6.3.2. **UNIVERSITY-Conducted Training.** The minimum technical skills and experience required for SUPPLIER's employees to be accepted for work at the UNIVERSITY and title/skill classifications of each SUPPLIER employee are intended as minimum requirements and not as pre-approval of any particular employee. The UNIVERSITY may require successful completion of UNIVERSITY-conducted training courses, such as radiation handling and health hazard communication. SUPPLIER shall not charge the UNIVERSITY for employee time spent in required UNIVERSITY training.

6.3.3. **Account Management Service and Support.** The SUPPLIER shall, prior to commencement of andy services under this Agreement, designate a single point of contact for each UNIVERSITY location, who is responsible for assisting the UNIVERSITY to which they are assigned in the timely resolution any operational, service invoice or contract-related issues. This person is expected to respond to phone calls or emails in a timely fashion. This individual should meet no less frequently than every six (6) months with the location EH&S Officer to review performance and to mutually determine goals for improvement.

6.3.4. **Service Level / Minimum Response Times.** UNIVERSITY recognizes that from time to time, unavoidable delays may occur in responding to phone calls or the like; however, the following response times are considered minimally acceptable:

Type of Service	Response Time
Call or email for new service request/order	6 business hours
Call or email inquiry regarding an existing request/order	4 business hours
Call or email inquiry regarding a billing/invoicing issue	6 business hours
Call or email inquiry requesting special assistance on a non-emergency matter (i.e., clarifications of self-pack guidelines for non-routine substances)	6 business hours
For routine waste pickups: Time from confirmation of new request/order to time of arrival of appropriate personnel and truck(s)	14 days, unless otherwise mutually agreed at time of order
Call or email requesting generation of a custom or standard report on UNIVERSITY activity	6 business hours
Generation/delivery of above-referenced report	5 business days
Generation of Certificate of Destruction/Disposal/Recycling (CD)	Within 1 year (365 calendar days) of ship date

6.3.5. **Standard Hours of Operation and Local Parking, Vehicle & Traffic Regulations.** The UNIVERSITY's hours of operation are site-specific. However, the hours generally range from 8:00 a.m. to 5:00 p.m. Pacific Time, Monday through Friday, excluding national holidays. Hours of operation may vary somewhat at the National Laboratories. All routine business except for emergency response are to be conducted during these times unless on a Location specifies other times.

Local restrictions exist for certain UNIVERSITY buildings, routine pick-up sites and campuses in general for the following:

- size of vehicles
- hours of pick-up, loading and transit (especially when on central campus roads or access points)
- parking or loading regulations or permits

The Attached Campus Profiles (Attachment 5) denote by campus and by EPA ID# the known restrictions of each UNIVERSITY location. However, the SUPPLIER and the local EH&S Officer

should devise a standard service plan that best fits the overall transportation and traffic limits of that location and document this plan in the Implementation Planning meetings.

6.3.6. **Vehicles and Equipment.** Each vehicle, truck or trailer used by SUPPLIER to haul the UNIVERSITY's waste must have all applicable hauler permits and must be equipped with safety and emergency response equipment and materials to handle a spill or release of the waste being transported. The SUPPLIER must use enclosed vehicles to transport the waste unless written permission from the EH&S Officer is obtained.

If so authorized in advance, the SUPPLIER shall ensure that the SUPPLIER's personnel are trained in the use and operation of UNIVERSITY-owned vehicles and equipment. The UNIVERSITY shall provide such training as needed.

6.4. **Implementation Plan / Operations Plan.** SUPPLIER's designated representative(s) must meet with local UNIVERSITY EH&S Officer(s) at each UNIVERSITY location at least 30 days in advance of providing service to that location to devise a mutually-agreeable Implementation Plan. At a minimum, the plan must document the following:

- A physical tour, conducted by the EH&S Officer, of each routine UNIVERSITY service site. The UNIVERSITY will supply copies of campus maps
- A meeting with the local Strategic Sourcing representative in Campus Purchasing or Material Management to review the Supplier Code of Conduct, local Purchase Order and Accounts Payable procedures and requirements, review of Campus personnel authorized to issue verbal and written releases or orders under this Agreement, review of other procedures such as marketing and communicating this Agreement as may be appropriate for local implementation of this Agreement.
- Safety Requirements and Emergency Operation Plan at each routine service site
- On-Campus Transportation Plan, including primary and secondary pick-up routes to, and departure routes from, UNIVERSITY locations, time restrictions or local permitting requirements for parking and loading
- Review of required local activity reports, if different from standard reports, including "ship to" location for hard-copies of Certificates of Disposal, as requested
- Review of and training on SUPPLIER's web-based tracking and reporting capabilities/tools
- Review of local operations, preferred pick-up schedules, building or campus security requirements, exchange of contact information for primary and secondary UNIVERSITY and SUPPLIER personnel
- Review of any local policies regarding lab-packing or self-packing procedures
- If requested by local EH&S Officer, review of UNIVERSITY-designated treatment and disposal methods and primary and any alternate TSDFs which may be used for location's waste
- All participating SUPPLIER employees must have read and signed SUPPLIER's Operation Plan and the UNIVERSITY's contingency plan. SUPPLIER must inform the UNIVERSITY in writing at least seven (7) working days of any changes in the Operation Plan before such changes take place. Any unforeseen occurrences which result in implementation of the Contingency or Emergency Response Plan or deviation from the Operation Plan must be communicated to the EH&S Officer within twenty-four (24) hours of such an occurrence
- SUPPLIER will initiate waste profiling "paperwork" preparation and consult with EH&S Officer on correctness and completeness of profiling data

The Implementation Plan at each location will automatically become a local "Operations Plan" after 3 months. This Operations Plan will be maintained and updated on at least an annual basis by both the local EH&S Office and SUPPLIER.

7. Licensing and Permitting

7.1. Copies of SUPPLIER's current licenses or permits, as noted here, were provided as attachments to the RFP that preceded this Agreement. The SUPPLIER is responsible for maintaining current licenses and permits as required by Federal, State and Local regulatory agencies and for providing updated copies to the University. At any time, the UNIVERSITY Contract Administrator may request new current copies of these and other applicable licenses and permits as relate to the performance of services under this Agreement:

- California Department of Toxic Substances Control: Hazardous Waste Transporter Registration
- US Department of Transportation Pipeline and Hazardous Materials Safety Administration Hazardous Materials Certificate of Registration
- California Department of Motor Vehicles (DMV) Motor Carrier Permit
- California Highway Patrol Hazardous Materials Transportation License

8. Waste Tracking and Contract Activity Summary Reports

8.1. SUPPLIER offers web-based capability for each UNIVERSITY EH&S Officer to "log in" and request activity reports as may be necessary to track waste or manage the department's hazardous waste business. In addition to this capability, SUPPLIER shall furnish in hard-copy form, upon request, reports for each location that show summary activities as may be requested. For instance, these reports may show usage under the Agreement per specified time period, all TSDFs used for location-generated wastes, location spend by category of waste, quantities of waste generated by category, subtotals of labor used by category of labor.

8.2. SUPPLIER shall provide a quarterly Microsoft® Excel summary report in spreadsheet format to the UNIVERSITY Contract Administrator within 15 days of the close of the UNIVERSITY's fiscal quarter. This report must show actual spend by each UNIVERSITY location for the preceding four (4) quarters.

8.3. SUPPLIER must provide proof of disposal, destruction, or recycling in the form of a Certificate of Disposal, Destruction or Recycling (CD) including the following information:

- Manifest #
- Manifest Line Number
- Final Disposal Facility
- Date of Final Disposal/ Destruction/ Recycling for each shipping container
- Disposal Method
- Quantity disposed (100% of waste per line item)
- Certification meeting the definition of 40CFR761.3.

THE CD MUST BE RECEIVED FOR THE ENTIRE MANIFEST OR SHIPPING PAPER WITHIN ONE YEAR (365 CALENDAR DAYS) OF THE SHIP DATE TO AVOID ASSESSMENT OF LIQUIDATED DAMAGES AS DESCRIBED BELOW.

9. Accidental Discharge or Release of University-generated Waste

9.1. The SUPPLIER warrants that in the event of an accidental discharge or release of hazardous materials caused by the SUPPLIER, the SUPPLIER shall, with urgency and due diligence, take immediate steps as required by federal, state, and local laws and regulations. Then, the SUPPLIER shall immediately notify the UNIVERSITY of all details regarding the accidental discharge or release of UNIVERSITY generated waste.

9.2. The SUPPLIER shall only permit appropriate personnel within its company to make public statements or issue news releases regarding the accidental discharge and in all cases of public use of the UNIVERSITY's name or identifying logo or pictures (such as of UNIVERSITY buildings), the SUPPLIER specifically agrees to consult with authorized UNIVERSITY Public Relations Staff before making any public statements or issuing any press statements which would identify the UNIVERSITY.

10. **Liquidated Damages for Non-Performance.** Due to the extent to which the UNIVERSITY relies on its hazardous waste services provider to meet its specified obligations, the UNIVERSITY will impose liquidated damages for non-performance. Liquidated damages will be assessed as follows:
    - **Certificates of Disposal:**
      Level 1: Overdue certificates receive an immediate $200 assessment on the 46th day.
      ~~**Level 2: Certificates still overdue after 15 additional days will be assessed $250.**~~
      ~~**Level 3: Certificates still overdue after 15 additional days will be assessed $300. After a level 3**~~ **occurrence, the account manager for that site will be contacted to immediately rectify the overdue certificates.**
    - **Invoices:**
      Incorrect Invoices which are not corrected, re-submitted or cancelled and re-submitted (whichever is necessary) within 30 days of the UNIVERSITY's notice of discrepancy will be assessed a per invoice rate of $200.00.
    - **Emergency Response Service:**
      An emergency response that does not commence within 2 hours of quoted start time (without advance approval by UNIVERSITY's authorized representative to delay the response) will be receive a $500.00 assessment. An assessment of $500 per day will continue until response is completed.
    - **Standard Response Service:**
      Standard hazardous waste pickups delayed or missed (without prior rescheduling) beyond 2 business days will be assessed $100.00 per day beginning on the third business day. The assessment continues until the pickup is completed.

The above liquidated damages amounts are calculated to compensate the UNIVERSITY for direct damages it may incur as a result of said delays, which are impracticable or extremely difficult to fix; however, these damages do not preclude the UNIVERSITY from recovering any and all other damages that may result or from obtaining equitable relief.

11. **Liquidated damages as noted above will be immediately calculated as credits against current and future work. If the contract is terminated and liquidated damages or other credits are due to the UNIVERSITY, the UNIVERSITY will issue an invoice to the SUPPLIER with instructions, at the UNIVERSITY's sole option, to make a direct payment by check or EFT (Electronic Funds Transfer).**

12. **GENERAL TERMS AND CONDITIONS**

12.1. **Auditing Requirements**

12.1.1. **Audit of Agreement.** This Agreement shall be subject to the examination and audit of the UNIVERSITY Auditor, agencies of the United States and the UNIVERSITY's Office of the President, Material Management for a period of three years after final payment under this Agreement. The examination and audit shall be confined to those matters connected with the performance of this Agreement, including, but not limited to, the costs of administering this Agreement. In addition, the Federal Sponsoring Agency, the Comptroller General of the United States, or any of their duly authorized representatives, shall have access to any books, documents, papers, or records of SUPPLIER which are directly pertinent to this Agreement for the purpose of making audits, examinations, excerpts and transcriptions.

12.1.2. **Audit of SUPPLIER and Third-Party Vehicles and Facilities.** The UNIVERSITY reserves the right, but shall not be obligated, to perform an on-site audit of all vehicles, treatment facilities and final TSDFs operated and/or utilized by the SUPPLIER in the performance of services under this Agreement, whether owned by Supplier or a third party (i.e., a rented and permitted vehicle used in the transportation of UNIVERSITY waste or a TSDF owned by a third party).

12.1.3. **Audit of / Calibration Verification of Scales, Containers** - All waste containers and shipping containers (prior to transport) shall be weighed using accurate and calibrated scales. The SUPPLIER shall provide each Campus EH&S Officer with calibration certifications for all scales used to weigh UNIVERSITY waste for invoicing purposes. Scales shall be calibrated annually. Alternatively, the SUPPLIER may use UNIVERSITY-obtained weights. The SUPPLIER may be required to validate scale calibration or size and capacity of containers.

12.2. **Supplier Code of Conduct / Conflicts of Interest.** The SUPPLIER shall exercise reasonable care and diligence to prevent any action or condition which could result in a conflict of interest concerning this Agreement with the UNIVERSITY.

SUPPLIER shall comply with UNIVERSITY policies on gifts and gratuities (see University Business and Finance Bulletin 43, available on any UC campus website or from http://www.ucop.edu). Each UC location may have a local "Supplier Code of Conduct;" any such local procedures will be discussed and documented during the Implementation Planning Meeting for that location.

12.3. **Indemnification. The** UNIVERSITY shall defend, indemnify and hold SUPPLIER, its officers, agents, and employees harmless from and against any and all liability, loss, expense, including reasonable attorney's fees, or claims for injury or damages arising out of the performance of this Agreement but only in proportion to and to the extent such liability, loss, expense, attorney's fees, or claims for injury or damages are caused by or result from the acts or omissions of the UNIVERSITY, its officers, agents or employees.

The SUPPLIER shall defend, indemnify and hold the UNIVERSITY, the DOE, and their respective officers, agents, students and employees harmless from and against any and all liability, loss, expense, including reasonable attorney's fees, or claims for injury or damages arising out of the performance of this Agreement but only in proportion to and to the extent such liability, loss, expense, attorney's fees, or claims for injury or damages are caused by or result from the acts or omissions of the SUPPLIER, its officers, agents or employees.

The SUPPLIER shall defend, indemnify and hold harmless the UNIVERSITY from any and all claims, demands, causes of action or suits, of whatever nature, arising out of the SUPPLIER's use of facilities, whether or not owned by the SUPPLIER, for the management, transportation and disposal of waste or material generated by the UNIVERSITY.

12.4. **Communications**

12.4.1. **Attachment (11)** indicates the SUPPLIER's primary and secondary point of contact at each UNIVERSITY location for all issues relating to the performance of this Agreement.

12.4.2. **Attachment (13)** indicates the UNIVERSITY's current EH&S primary and secondary points of contact (i.e. "EH&S Officer") for all operational issues relating to the performance of this Agreement. Purchasing/Strategic Sourcing personnel are also indicated in this Attachment; these individuals should be contacted for local contract implementation issues or questions or if assistance is required in resolving any local issue.

12.4.3. **Notice of Violation.** SUPPLIER must provide notice to the UNIVERSITY if the SUPPLIER receives a notice of violation, government enforcement order or investigation of civil or criminal lawsuit regarding either (a) any waste shipments generated by the UNIVERSTIY or (b) any treatment, storage or disposal facility used by the SUPPLIER to treat, store or dispose of UNIVERSTIY waste.

12.4.4. **Contract Updates and Modifications.** The Contract Administrator for this Agreement is the office of Strategic Sourcing at UC Office of the President. This is the only office, other than the Office of General Counsel for the UC Regents, authorized to amend or modify this Agreement. Any contract-related correspondence, including any updates or modifications to systemwide pricing, must be sent primarily to:

ATTN: Haggai Hisgilov
Executive Director
Strategic Sourcing
University of California Office of the President
1111 Franklin Street, 10th Floor
Oakland, CA 94607-5200

12.4.5. **Communication of Agreement.** The UNIVERSITY publishes systemwide contracts and Pricing on a website which is only accessible by UNIVERSITY employees. The UNIVERSITY Contract Administrator, local Strategic Sourcing Representative, local EH&S Officer and SUPPLIER will work together to design a communication and marketing or implementation plan for communication of the contract and value to the UNIVERSITY. The SUPPLIER will work with each UC Location to develop a specific marketing or communication plan as appropriate to inform and work with the primary end users of this Agreement.

12.5. **California Public Records Act.** The UNIVERSITY is a public agency and all Agreements entered into by the UNIVERSITY may be subject to requests for disclosure under the State of California Public Records Act (CA State Government Code 6250, et. seq.). Certain private, trade secret or confidential information may be considered exempt from the California Public Records Act. Any trade secret or company confidential information contained in this Agreement, including all attachments should be clearly marked "Trade Secret Information" or "Company Confidential Information." SUPPLIER's designation of information such manner does not require the UNIVERSITY to refuse to disclose the information. Should a request be made of the UNIVERSITY for access to the information designated confidential or trade secret by the bidder and, on the basis of that designation, the UNIVERSITY denies the request, the bidder may be responsible for all legal costs necessary to defend such action if the denial is challenged in a court of law.

12.6.. **Insurance.** SUPPLIER, at its sole cost and expense, shall insure its activities in connection with the work under this Agreement and obtain, keep in force, and maintain insurance as specified in Attachment 6, Appendix B, "Environmental Insurance" and with the requirements of Article 17 of Appendix A, Attachment 7.

12.6.1. **Certificate of Insurance.** The SUPPLIER shall furnish the UNIVERSITY's Contract Administrator with certificates of insurance evidencing compliance with all requirements no later than five (5) business days prior to commencing work under this Agreement. Such certificates shall:

- Provide thirty (30) days advance written notice to the UNIVERSITY of any modification, change, or cancellation of any of the above insurance coverage
- Indicate that the UNIVERSITY and DOE have been endorsed as additional named insureds under the coverage referred to in the referenced attachments above;
- Include a provision that the coverage will be primary and will not participate with nor be excess over any valid and collectible insurance or program of self-insurance carried or maintained by the UNIVERSITY
- The SUPPLIER shall furnish the UNIVERSITY'S Contract Administrator with evidence of current financial assurance for final closure and post-closure activities (as applicable) as required under 40 CFR 264.143 and 264.145 for each receiving TSDF used to service this Agreement. The evidence of financial assurance must be provided no later than five (5) business days prior to commencing work under this Agreement. The evidence provided must include a description of the financial mechanism used to comply with these closure requirements, the name of the entity issuing the financial instrument, and the instrument's expiration date

12.7. **University of California Terms and Conditions.** The University of California Terms and Conditions of Purchase, Appendix A, Attachment 7, are applicable to this Agreement and are incorporated herein. In the event of a conflict between the terms and conditions of this Agreement and those in Appendix A, the terms and conditions of this Agreement take precedence.

12.8. **Wage Determination (applies to work performed for Lawrence Berkeley Laboratory ONLY).** The US Department of Labor requires compliance with the Service Contract Act (SCA) for service employees involved in the performance of work hereunder. Subcontractor agrees to provide these employees with at least the minimum compensation (wage and fringe benefits) specified in the wage determination(s). Contractors who work at Lawrence Berkeley National Laboratory must comply with the SCA.

The Department of Labor issues wage determinations on a contract-by-contract basis in response to specific requests from contracting agencies. These determinations are incorporated into the contract.

The categories that may be covered by a Wage Determination for work under this Agreement are: Chemist On-Site; Material Expediter; Material Handling Laborer; Shipping Packer; Shipping Clerk; Truck driver (various levels); Hazardous Waste Driver/Technician and Emergency Responder. Should any of these employee services be included in a contract with LBNL the employer must provide the prevailing wages and benefits required. Employers must notify employees working in connection with the contract of the compensation due them under the wage and fringe benefits provisions of the contract.

12.9. **Additional Terms and Conditions.** The following Attachments are applicable to this Agreement and are incorporated herein, as noted below:

- **Attachment 8 -Appendix C, Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion -- Lower Tier Covered Transactions (53 FR 19211)**
- **Attachment 9 - Appendix D, (Supplement 5) Special Terms and Conditions for Federal Government Contracts**
- **Attachment 10 – Appendix E, General Provisions for Fixed Price Non-Commercial Supplies & Services (Applied to work performed for Lawrence Berkeley National Laboratory Only).**

In the event of a conflict between this Agreement and the above Attachments, the above Attachments take precedent.

12.10. **Governing Law.** This Agreement shall be governed in all respects by the laws of the State of California, without regard to its conflicts of laws provisions; further, any dispute arising from this Agreement shall be heard in a court of competent jurisdiction in California.

12.11. **Successors and Assigns.** Neither the SUPPLIER nor the UNIVERSITY shall assign their rights, duties or obligations under this Agreement, either in whole or in part, without the prior written consent of the other, which consent shall not unreasonably be withheld. Except as limited by the preceding sentence, this Agreement shall be binding upon, and inure to the benefit of, the parties to this Agreement and their respective successors and assigns.

12.12. **Severability.** If any provision of this Agreement, or its application to any person, place, or circumstance, shall be held by a court of competent jurisdiction to be invalid, unenforceable or void, the remainder of this Agreement and such provisions as applied to other persons, places and circumstances shall remain in full force and effect.

12.13. **Entire Agreement.** This Agreement, including the Attachments incorporated herein, states the entire agreement between the parties described herein with respect to the subject matter and supersedes any previous or contemporaneous oral and/or written contract(s) or agreement(s) This Agreement incorporates by reference The University of California's Request For Proposal (RFP) #083/OP/055 and SUPPLIER's Response to RFP #083/OP/055, dated April 20, 2006. In the event of a conflict between the terms and conditions of this Agreement and those of said RFP and SUPPLIER'S response to the RFP, those contained in this Agreement shall prevail.

Signed and executed by:

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA

Haggai Hisgilov

Executive Director, Strategic Sourcing
UC Office of the President

Date 9/26/06

Signature of Authorized Representative

PAUL TAVEIRA
Printed Name of Authorized Representative

Vice President
Title of Authorized Representative

Date 10/2/06

23. For each type of waste generated at the Facilities that contained any of the SOIs, describe Respondent/s contracts, agreements, or other arrangements for its disposal, treatment, or recycling and identify all parties to each contract, agreement, or other arrangement described. State the ownership of waste containers as specified under each contract, agreement, or other arrangement described and the ultimate destination or use for such containers. Distinguish between the Relevant Time Period and the time period since 1988, and describe any changes in Respondent's practices over time.
Response: There were no records of contracts, agreements or other arrangement found from 1940 to 1978. From 1979 to 1989, agreements were in the form of a quote submitted by a hazardous chemical waste vendor to UCSF to provide disposal of laboratory waste. Parties to the agreements were North State Environmental, Safety Specialists, Zero Waste Systems, IT Corporation, Ensco Incorporated, General Electric Company, Crosby and Overton Environmental Management, RESNA, and Evergreen Environmental Services, (waste vendors),

From 1990 to 1994, agreements were in the form of a contract submitted by a hazardous chemical waste vendor to dispose of laboratory waste including asbestos waste. Among the participants in the agreements were California Advanced Environmental Technology Corporation, Rollins Environmental Services, and RESNA (waste vendors), Office of Environmental Health and Safety and Materiel Management.

From 1994 to the present agreements were in the form of a UC systemwide contract to dispose of laboratory waste. Among the participants in the agreements were UC systemwide waste managers (consisting of 10 UC campuses and national laboratory), UC Office of the President, UCSF's Office of Environmental Health and Safety and Materiel Management and Ecology Control Industries, Rollins Environmental Services, Laidlaw Environmental Service, Philips Environmental Services, MSE Environmental, Inc., Evergreen Environmental Services, Safety Kleen, Onyx Environmental Service, Photo Waste Recycling, and Merry X-Ray (waste vendors).

UCSF owns all waste containers from generation to final disposal.

#27

Hazardous Waste Disposal Agreements

by

David Kolsom, C.P.M.

University of California, Berkeley

February 27, 1997

To: Participating UC Campuses

From: David A. Kolsom, C.P.M.
Manager of Procurement and Business Contracts

Subject: Implementation of Hazardous Waste Agreements

This binder has been put together for campus and affiliate members who have committed to utilizing blocks under the Hazardous Waste Systemwide Agreements. Information on the Agreements is also being loaded on to the University of California, Office of the President, Materiel Management website (The Website for the Systemwide Agreements is http://www.ucop.edu/matmgt/ppp/welcome.html).

Awards
The overall award results against RFPSF083044 are as follows:

Block 1	Labpack	IT
Block 2	Bulk	Rollins
Block 3	Solvents	Rollins
Block 4	Recycle Metals	IT
Block 5	PCB	Rollins
Block 6	Batteries	Rollins
Block 7	Oils	No Award
Block 8	Photo	Ensco
Block 9	Paints	Ensco
Block 10	Light Bulbs	Rollins
Block 11	G. Cylinders	Rollins
Block 12	Explosive	Rollins
Block 13	Asbestos	IT
Block 14	Pathologic	Rollins
Block 15	Drums	MSE
Block 16	Labor	IT
Block 17	Emergency Labor	IT

Commodity Agreement
The block awards listed above have been issued to the contractors under Commodity Agreements. Commodity Agreements are primary source agreements designated for goods and services as a result of competitive quotations received. Within these Commodity Agreements, some Contractors' have offered the University pricing for blocks in which they are not the primary source. In circumstances where the primary source is unable to meet our needs, we can consider using the optional pricing provided by the other Agreement providers. Requests for the use of sourcing other than the primary source require my approval and verification of applicable pricing.

Agreement Numbers
The following primary source Commodity Agreements have been issued:

Ensco 083/SF/044/100
Rollins 083/SF/045/100
IT 083/SF/046/100
MSE 083/SF/047/100

Initiating Agreements
In working with each Contractor, keep in mind the following activities:

Review and establish safety plans with the Contractor
Determine which invoicing fields (7-11) are to be provided by Contractor for your location
Obtain a list of Contractor personnel
Obtain a detailed operation plan for your location from Contractor
Obtain copies of all appropriate licenses, certificates and permits applicable to the Agreement
Review your specific campuses requirements

Waste Profiles
Under various blocks such as lab pack, the Contractor may be able to provide a more defined waste profile within the block at pricing below the standard block Schedule of Charges pricing. Whenever a new waste profile of this nature is established, it is important that I be advised of the details so that the profile and pricing can be added to the website listing. Copies of new profiles should also be sent to all participating members.

Placing Orders
Orders are placed in the same fashion as any other Systemwide Agreement order at your campus location. Generally, you can use your departmental purchase authorization number for transactions with an Agreement Contractor. I recommend providing the Agreement number when placing an order to ensure you obtain Agreement pricing and to assist the Contractor in tracking our business.

Contractor Performance
I expect that if you encounter problems such as late pickup, incorrect pricing, or lack of required service, you will first make an attempt locally to resolve the problem. Those situations or issues that you believe may be of concern to the other participating members should be shared with the Hazardous Waste Action Group (HWAG) and I. If a problem can not be resolved locally, or is associated with Agreement terms, contact me.

Agreement Information
I have included in the binder the following documents:

Ensco Agreement 083/SF/044/100 —— PO# AB 5281R/700
Rollins Agreement 083/SF/045/100 —— PO# AB 5281R/400
IT Agreement 083/SF/046/100 —— PO# AB 5281R/500
MSE Agreement 083/SF/047/100 —— PO# AB 5281R/600

Agreement Notices for each agreement
Schedule of Charges for each agreement
Transition Schedule (Hazardous Waste)
Appendix A (modified for insurance)
Supplement 3
Supplement 5
Attachment 3 Emergency Response Services
Attachment 4 Statement of Training
Attachment 5 Support Services
Attachment 6 Block Description

Additional documents referenced in the Agreements, copies of which have already been provided to Contractors' and EH & S participants are:

RFP083SF044
RFP083SF044 Amendment 1
RFP083SF044 Amendment 2
Attachment 1
Attachment 2
University of California Business Information Form
Schedule of Charges - Bid Block Form

Additional RFP submittal copies are to be provided by Contractors' to other campuses or affiliates that join the Agreement(s). The RFP and above referenced University attachments will be provided by Planned Purchasing.

Thank you for your support and I look forward to your participation in the Systemwide Agreement Program.

If you have any questions I can be reached at 510-643-5709.

UNIVERSITY PLANNED PURCHASING PROGRAM

UNIVERSITY COMMODITY AGREEMENT
PRIMARY SOURCE

083/SF/046/100 - Handling, Transportation and Disposal of UNIVERSITY Hazardous Wastes - IT Corporation

DATE ISSUED:
2/17/97
COMMODITY:
Handling, Transportation and Disposal of UNIVERSITY Hazardous Wastes *Primary Source*
VENDOR NAME:
IT Corporation
VENDOR CATEGORY:
Large
AGREEMENT NO.:
083/SF/046/100
SUPPLEMENT NO.:
Original
SUPERCEDES:
--
EFFECTIVE DATES:
2/1/97 to 1/31/00
ISSUE ORDERS TO:
IT Corporation
2205 Junction Ave.
San Jose, CA 95131

VENDOR CONTACT:
Kathy Stewart
PHONE:
408/894-1200
FAX: 310/518-7933

TERMS & CONDITONS
CAMPUS/REGION:
Initial participation (UCB, UCD, UCR, UCSF, LLNL) is in accordance with the Transition Schedule (Hazardous Waste)
DELIVERY:
Service provided as needed
F.O.B.:
UNIVERSITY facility, freight prepaid and allowed inbound and outbound (UNIVERSITY is not responsible for paying freight charges), price is to include handling, refrigeration (including dry ice), packaging and shipping related charges.

PAYMENT TERMS:
Net 30
MINIMUM ORDER:
None

ITEMS & PRICES
') The UNIVERSITY has the option to extend this Agreement term for up to four (4) additional one year period(s), at the same prices or pricing basis, terms, and conditions as the original Agreement.

University of California, Systemwide Agreement

DATE: 2/17/97
NUMBER 083/SF/046/100

HAZARDOUS WASTE DISPOSAL

ISSUED TO IT Corporation
2205 Junction Ave.
San Jose, CA 95131

ISSUED BY Dave Kolsom, Purchasing Manager
Procurement and Business Contracts Unit
UNIVERSITY OF CALIFORNIA, Berkeley
MC5600
Berkeley, CA 94720-5600
Phone: 510-643-5709; fax 510-642-8604

In the event any of the above options are not exercised and additional time is required by the UNIVERSITY to initiate a new Agreement, CONTRACTOR agrees to continue providing services to the UNIVERSITY on a month-to-month basis, for a period not to exceed six (6) months, at the prices, terms and conditions in effect during the prior period.

2) The purpose of this Agreement is to provide for handling, transportation and or disposal of UNIVERSITY hazardous wastes, including a wide variety of chemicals from research and instructional laboratories and medical centers listed under Attachment 6, Block 1, 4, 13, 16 and 17.

3) See the following Attachments for additional detail:
Attachment 3 Emergency Chemical Spill Response
Attachment 4 Statement Of Training
Attachment 5 Support Services
Attachment 6 Block Descriptions
Appendix A Terms and Conditions of Purchase
Supplement 3 Wage Scale
Supplement 5 Special Terms and Conditions for Federal Government Contracts
Schedule of Charges -- Bid Block Form

UNIVERSITY CONTACT:
David Kolsom, C.P.M.
TELEPHONE:
510/643-5709

FAX:
510/642-8604
E-MAIL:
kolsom@uclink4.berkeley.edu

COMMODITY MANAGER:
Trudy Tuan
CAMPUS:
Berkeley

TABLE OF CONTENTS

PART A INTRODUCTION

1. General Description & Background Information
   Statement of Purpose
2. Definitions

PART B GENERAL REQUIREMENTS, TERMS & CONDITIONS

1. Agreement Period
1.1 Initial Agreement Period
1.2 Agreement Extension
1.3 Probationary Period

2. Usage
2.1 Agreement Utilization
2.2 Quantity Estimates

3. Pricing
3.1 Pricing Structure
3.1.1 Firm Prices and Discounts
3.1.2 Basis for Price Adjustments
3.1.3 Special Pricing
3.2 Price Protection and Certification
3.3 Freight and Handling Charges
3.4 Returned Goods
3.5 Taxes

4. Invoicing
4.1 Payment Terms
4.2 Timely Notification of Past Due Invoices

5. Specifications
5.1 Scope of Work
5.1.1 Sales Service and Support
5.1.2 Technical Service and Support
5.1.3 Special Projects and Standard Hours of Operation
5.1.4 Response Time
5.1.5 Personnel
5.2 Technical Specifications
5.2.1 Product Specifications
5.2.2 Performance Guarantee/Compliance Level
5.2.3 Qualifications of Personnel
5.2.4 Permitting and Licensure

5.2.5 Management Reports
5.3 Warranties
5.4 Delivery Requirements
5.4.1 Order Placement
5.4.2 Authorizations
5.4.3 Service Schedule
5.4.4 Order Size
5.4.5 Delivery Site/Location
5.4.6 Inspection
5.4.7 Special Delivery Instructions/Requirements
5.4.8 Packaging
5.4.9 Documentation

6. General Conditions
6.1 Other
6.1.1 Late Interest Charges
6.1.2 Loss of Equipment
6.1.3 No Free Parking
6.1.4. Ethics
6.1.5 Right to Know Legislation
6.1.6 Relationship of Parties
6.1.7 Indemnification
6.1.8 Contacts with University Management
6.2 Insurance Requirements
6.3 Agreement Administration
6.4 Record Keeping and Auditing
6.5 Terms and conditions
6.5.1 Product Liability Indemnity Provision
6.5.2 Termination of Agreement
6.5.3 Entire Agreement

PART A INTRODUCTION

1. GENERAL DESCRIPTION & BACKGROUND INFORMATION

Statement of Purpose

The purpose of this Agreement is to provide for handling, transportation and or disposal of UNIVERSITY hazardous wastes, including a wide variety of chemicals from research and instructional laboratories and medical centers listed under Attachment 6, Block 1, 4, 13, 16 and 17.

The UNIVERSITY OF CALIFORNIA is a non-profit educational institution consisting of nine major campuses at Berkeley, Davis, Irvine, Los Angeles, Riverside, San Diego, Santa Barbara, San Francisco and Santa Cruz. The UNIVERSITY also operates five major medical centers at Davis, Irvine, Los Angeles, San Diego and San Francisco. Lawrence Berkeley, Lawrence Livermore and Los Alamos national laboratories are operated by the UNIVERSITY OF CALIFORNIA.

2. DEFINITIONS

Agreement -- The contract document issued, pursuant to this request, to be furnished to contractor(s) by UNIVERSITY jurisdictional personnel which specifically describes goods and or services to be covered.

CONTRACTOR-- The term "Seller", "Supplier", "Contractor", "Respondent", "Bidder", "Vendor", "IT", are used interchangeably herein and refer to the same entity IT Corporation, the provider of goods and services to the UNIVERSITY.

Days -- Unless otherwise stated, refers to calendar days.

EH&S Officer -- Environmental Health and Safety Director for each University Campus or his/her designee. At LLNL the equivalent person is the Hazardous Waste Management Storage and Disposal Group leader.

Emergency Response Services – any spill response that meets campus criteria as specified in Attachment 2 and described in Attachment 3.

Environmental Impairment Liability Insurance - Same as pollution liability insurance.

Field Station -- An off campus research facility

Full Services -- Providing supplies, lab packing and bulking services in addition to transportation and disposal, includes labor and materials to prepare work site and cleanup to previous site condition. This includes professional and technical personnel to inspect, lab pack, HazCat, document, package, profile, transport and dispose of the UNIVERSITY's hazardous wastes according to all applicable federal, state and local regulations, TSDF waste acceptance criteria, (Department of Energy orders where applicable at the University Laboratories) and UC policies and procedures.

Gross Weight – Total weight of the filled shipping container, including all fillers, absorbent, shipping

container and hazardous waste.

Hazard Categorization Charge or "HazCating" -- The fixed charge for the labor, materials and analytical charges incurred per sample for the exclusive purpose of identifying or classifying chemicals sufficient to satisfy all applicable TSDF waste acceptance criteria and regulatory agency requirements.

Lab packing Services -- Includes collecting, sampling, consolidating, profiling, packaging, labeling, loading and other handling of hazardous waste, containers and paper work while physically working at UNIVERSITY facilities.

Net Weight -- For lab packs, weight of internal material and primary containers, excluding all packaging materials and outer shipping containers; for bulk solids, weight of the waste material only.

Parties of the Agreement -- This Agreement is by and between the Regents of the University of California ("UNIVERSITY") and CONTRACTOR ("Seller").

Pollution Insurance -- Insurance to cover risks associated with the contamination of the environment - air, ground, or water. Liability from pollution is frequently excluded to some degree in the general, auto, and umbrella liability policies.

Regents of the University of California-- The terms "UNIVERSITY", "Generator", "Buyer", "Campus", "UNIVERSITY OF CALIFORNIA" and "Regents of the University of California" are used interchangeably herein and refer to the same entity: Regents of the University of California.

Special Projects -- Labor associated with Block 16, short term and or temporary support services.

Submittal response -- "bid", "bid submittal", "bid response", "proposal" are used interchangeably herein and refer to CONTRACTOR's documents and attachments in response to the submittal request.

Submittal request -- "Request for Proposal" (RFP); "solicitation", are used interchangeably herein and refer to this document and the referenced attachments.

Transportation & Disposal Price -- The total charge for transporting hazardous waste from UNIVERSITY facilities to an approved TSDF, including any necessary profiling, manifesting, or other documentation associated with proper waste disposal, the per unit price, waste stream approval fees, penalties, and other surcharges for the final disposition of the waste.

TSDF -- Means Treatment, Storage, or Disposal Facility, as defined in Title 22 California Code of Regulations, Section 66260.10 and in Title 40 Code of Federal Regulations 260.10.

University Affiliates -- Institutions or businesses which have a close business relationship with the UNIVERSITY and allow the UNIVERSITY to establish Agreements on its behalf.

University Technical Representative -- Refers to the individual within the UNIVERSITY who will be responsible for the daily coordination of all activities relating to the implementation, design, and control of this Agreement.

Work -- "Work" shall include all obligations, duties, requirements, and responsibilities required for the successful completion of the Agreement by the CONTRACTOR, including the furnishing of all supervision, labor, materials, equipment and other supplies, incidental with the execution of the Agreement and in accordance with the terms and conditions set forth in this Agreement.

PART B GENERAL REQUIREMENTS, TERMS & CONDITIONS

1. AGREEMENT PERIOD

1.1 Initial Agreement Period
The initial Agreement period shall commence February 1, 1997 and end on January 31, 2000. The original Agreement term will be for a period of three (3) years.

1.2 Agreement Extension
The UNIVERSITY, at its sole option, reserves the right, and CONTRACTOR as a condition of the solicitation, agrees to allow the UNIVERSITY the option to extend, solely and at its discretion, this Agreement term for up to four (4) additional one year period(s), at the same prices or pricing basis, terms, and conditions as the original Agreement. CONTRACTOR recognizes and agrees that the business obtained by CONTRACTOR under an extension will constitute the sole consideration for the extension.

In the event any of the above options are not exercised and additional time is required by the UNIVERSITY to initiate a new Agreement, CONTRACTOR agrees to continue providing services to the UNIVERSITY on a month-to-month basis, for a period not to exceed six (6) months, at the prices, terms and conditions in effect during the prior period.

1.3 Probationary Period
CONTRACTOR will be given a six (6) month probationary period by each campus committing to the Agreement block(s) awarded, during which the CONTRACTOR must demonstrate compliance with Agreement requirements. Each Campus reserves the right to extend the probationary period for an dditional six months. Service will be monitored for compliance in the following areas:

1) Timeliness (reference RFP scheduling requirements in Section 5.2.1 Product Specifications)
2) Accuracy of pricing and invoicing (reference RFP Sections 3. Pricing and 4. Invoicing)
3) Scope of work (reference RFP Section 5.1 through 5.1.5)
4) Technical Specifications, including adherence to Operational Plan (reference RFP Section 5.2)
5) Warranties (reference RFP Section 5.3)
6) Delivery Requirements (reference RFP Section 5.4)
7) Compliance with insurance requirements (reference RFP Section 6.2)
8) Qualifications of assigned CONTRACTOR personnel (reference section 5.2.3).
9) Compliance with all health and safety requirements outlined in attachment 5 Task G.

UNIVERSITY reserves the right to terminate this Agreement by individual participating Campus, National Laboratory, or all participating parties with 10 days written notice if the UNIVERSITY deems the CONTRACTOR has failed to demonstrate full compliance to the Agreement requirements during the probationary period. The UNIVERSITY shall be the sole judge as to whether or not CONTRACTOR is in compliance. Upon termination of this Agreement the UNIVERSITY may then go to the second lowest responsible bidder for an Agreement, if it is deemed to be in the interest of the UNIVERSITY.

Quality of service during the probationary period is to be representative of the quality CONTRACTOR will provide during the entire Agreement period. Each campus will establish a performance evaluation meeting

schedule with CONTRACTOR.

2. USAGE

2.1 Agreement Utilization

The UNIVERSITY System recognizes CONTRACTOR as a preferred source for processes and services awarded under this Agreement. This Agreement is not intended to be an exclusive Agreement for purchases by the UNIVERSITY or the National Laboratories. The UNIVERSITY retains all rights to purchase like items and services from other sources, when considered to be in the best interest of the UNIVERSITY.

Usage to be on an as needed basis.

Failure of the UNIVERSITY to purchase estimated quantities shall not constitute either a breach of this Agreement or grounds for termination or cancellation of this Agreement.

Initially participating campuses are University of California, Riverside (UCR), University of California, San Francisco (UCSF), University of California, Berkeley (UCB), University of California, Davis (UCD), and University of California, San Diego (UCSD).

Campuses, at their sole option, that reserve the right to participate in the Agreement at some future date are the University of California, Santa Barbara (UCSB), University of California, Irvine (UCI), University of California, Santa Cruz (UCSC), and University of California, Los Angeles (UCLA).

Lawrence Berkeley and Lawrence Livermore National Laboratories are authorized to utilize this Agreement. Each of the National Laboratories, acting on an independent basis, will declare within sixty days of the implementation of any resulting Agreements, their intention to either fully or partially participate in this Agreement under the terms and conditions solicited or to exclude themselves from such participation. The UNIVERSITY reserves the right during the term of this Agreement to add or delete UNIVERSITY affiliates by providing written notice of said intent to CONTRACTOR.

At the present time, and in no way binding, the Lawrence Livermore National Laboratory and Lawrence Berkeley National Laboratory intend to utilize this Agreement for the waste streams described in Attachment 2 (Campus Specific Requirements).

2.2 Quantity Estimates

The UNIVERSITY estimates the annual usage for the initial term of this Agreement to be as noted on Attachment 1 of RFP083SF044. The UNIVERSITY shall not be bound to this estimate.

Estimated weights and volume are provided *only* as a guideline for preparing the quote/proposal, and are not a guarantee by the UNIVERSITY to dispose of more or less than the estimated volume. Variations between actual volumes and estimated volumes do not warrant future price changes.
The Block Description Attachment describes UNIVERSITY waste streams in terms of Blocks. For purposes of this Agreement each waste stream is a considered a waste category.

The UNIVERSITY has estimated the annual volume generated for each waste stream. This is indicated in Column 3 as the "estimated annual usage," or EAU. This volume is not a guaranteed volume, rather it is a

projection based upon campus size, history, and both current and future waste management practices. Agreement Utilization- not all UNIVERSITY campuses are participating in this Agreement. The estimated annual volumes for non-participating campuses are listed for prospective CONTRACTORS to understand the potential Agreement volume.

The UNIVERSITY has indicated the preferred disposal method(s) in Column 4.

3. PRICING

3.1 Pricing Structure

UNIVERSITY shall pay CONTRACTOR for services rendered in accordance with fees stated in CONTRACTOR's submittal response to RFP083SF044, a copy of which is attached and incorporated herein as if fully written out.

Schedule of Charges pertains to all hazardous wastes received by CONTRACTOR for processing, recycling and or disposal. Pricing included in the Schedule of Charges are:

a) Packaging and removal at UNIVERSITY's location (full service)
b) Transportation by CONTRACTOR
c) Processing and treatment (including handling and disposal of containers)
d) Disposal
e) General labor, including miscellaneous waste management duties such as lab packing and any necessary profiling, manifesting, or other documentation associated with proper waste disposal. Includes labor and materials to prepare work site and cleanup to previous site condition

All lab pack (LP) prices billed on a per pound basis shall be invoiced based upon the net weight (see Net Weight definition).

Bulk solids are billed on a per pound basis on the weight of the internal waste material only, excluding the outer shipping container.

Non-lab pack or bulk liquids are billed on a per gallon basis based on the volume of liquid in the container. Drums shall be considered to have a 10% head space, regardless of container size, example: a 55 gallon drum would be considered to contain a maximum of 49.5 gallons.

Compressed gas cylinders shall be invoiced on a per piece basis.

Pricing quoted in this Agreement is inclusive of all costs. The UNIVERSITY will not pay any undisclosed fees in this Agreement.

3.1.1 Discounts

In addition to items specifically contracted for, UNIVERSITY is entitled to purchase under this Agreement any item or service offered commercially by CONTRACTOR. Pricing shall be at the same discount level(s), terms and conditions offered to the UNIVERSITY on items or services listed herein or attached hereto unless otherwise stated. Pricing for other products and services are to be quoted from

CONTRACTOR's current price list at time of shipment less applicable discount.

3.1.2 Basis for Price Adjustments
The UNIVERSITY accepts CONTRACTOR's offer of any price declines during the period of this Agreement, effective at the time of announcement of said price decline(s).

Price increases arising from governmentally imposed fees or charges shall be passed through to the UNIVERSITY immediately upon written notice of the same.

All Rate increases during the term of this Agreement must be in writing and must be accompanied by supporting documents.

The maximum price increase in any twelve (12) month pricing period shall be 3.5 percent (3.5%) or the rate of inflation in the Consumer Price Index (CPI) for the United States, whichever is less. Prices shall be adjusted no more than once every twelve months.

Ninety (90) days advance written notice of annual price adjustment must be sent to Attn.: Planned Purchasing and reference the Systemwide Agreement Number. The UNIVERSITY must approve any price adjustment prior to its effective date. The UNIVERSITY reserves the right to negotiate the amount of price adjustment if, in the opinion of the UNIVERSITY, the price adjustment is excessive.

3.1.3 Special Pricing
The UNIVERSITY shall receive the benefit of any promotional and or quantity discounts offered to other customers during this Agreement period if such discounts would result in a lower selling price to the UNIVERSITY.

3.2 Price Protection and Certification
Pricing of an order is to be based on the *date the order for the service request is placed* as opposed to prices in effect at time of delivery or service.

Should CONTRACTOR, during the term of the Agreement, sell material and or service in similar quantity to any other domestic consumer at a lower price, determined on a delivered basis, than in effect hereunder, then UNIVERSITY shall receive the benefit of such lower price on all shipments and service made while such lower price(s) is effective. CONTRACTOR is obligated to notify the UNIVERSITY of such a lower price agreement. This paragraph shall not apply to any agreement , contract or purchase order entered into with any UNIVERSITY campus or participating affiliate before the effective date of the Agreement.

Termination of any existing campus contract by CONTRACTOR during the term of the Agreement may demonstrate an unacceptable record by the CONTRACTOR and may provide a basis for the termination by the UNIVERSITY under Section 6.5.2 or this Section.

CONTRACTOR shall pay each employee on national laboratory work not less than the general prevailing wage rate in effect in the locality in which the work is done.

UNIVERSITY reserves the right to purchase services elsewhere after the initial pricing period, if price changes submitted for future pricing periods are deemed unacceptable, or if the quality of services is

determined to be unacceptable by the UNIVERSITY. Prices must by deemed reasonable and not excessive by the UNIVERSITY on a campus by campus basis for each block category.

CONTRACTOR warrants to the best of its knowledge that the prices offered herein are equal to or are the lowest offered to any customer.

3.3 Freight and Handling Charges
All goods shall be F.O.B. UNIVERSITY facility, freight prepaid and allowed inbound and outbound (UNIVERSITY is not responsible for paying freight charges), price is to include handling, refrigeration (including dry ice), packaging and shipping related charges.

3.4 Returned Goods
CONTRACTOR shall be financially responsible for all labor, materials, transportation, analytical laboratory fees, final disposal and other related charges incurred on any waste rejected at processing or disposal facilities for waste packaged or pre-approved by the CONTRACTOR.

3.5 Taxes
Tax status may vary, depending upon the nature of the funding source. Goods purchased with Federal funds, whereby title for goods passes directly to the government, are tax exempt. The UNIVERSITY person placing the purchase order will advise CONTRACTOR if the order is tax exempt. If no notification on tax status is given to CONTRACTOR, CONTRACTOR shall consider the products to be taxable and services to be not taxable. CONTRACTOR's quotes shall include all applicable taxes.

4. INVOICING

Invoicing shall meet the following requirements:

- Invoices shall be net Agreement pricing, only. Invoices must show the UNIVERSITY reference purchase order number and be submitted in duplicate to UNIVERSITY, in arrears.
- Applicable tax must be shown as a separate line item.
- To ensure prompt payment, invoice must match the Agreement pricing.
- Billing address to be specified by UNIVERSITY Campus EH&S Officer at time of order.
- Invoices shall be organized and formatted such that line item pricing corresponds specifically to line items for specific manifest numbers, container packing and inventory documentation. Formatting must allow for easy verification of pricing on an item by item basis. The following information, in spreadsheet form, must accompany invoicing for each shipping container. Campuses are to be provided spreadsheets containing items 1-6 from the following list, additional fields from items 7-11, shall be provided if requested:

    1. Manifest number
    2. Container numbers
    3. Net weight, or gallons bulk liquid, of hazardous waste in each shipping container
    4. Gross weight of each shipping container
    5. Cost/unit by waste type and service level (full service or T&D)
    6. Total cost

7. Line items on manifest applicable to each container
8. Shipping container size and type
9. Hazardous waste description for each container
10. TSDF destination
11. Disposal method

Accurate invoicing is important to the UNIVERSITY. If, during the course of business, the UNIVERSITY discovers that overcharges have occurred on invoices, CONTRACTOR agrees to reimburse the amount of the overcharge plus pay the UNIVERSITY a sum equal to overcharge to cover liquidated damages. Inaccurate invoices will be rejected.

4.1 Payment Terms

Standard payment terms are Net 30 days after receipt of goods or services and final acceptance or invoice, whichever is later. Final acceptance is when hazardous waste material has been removed from the UNIVERSITY's site and the UNIVERSITY has received a copy of TSDF signed manifest by the final disposal site for the order.

4.2 Timely Notification of Past Due Invoices

UNIVERSITY monies are typically allocated for specific fund years, therefore failure to have invoices paid and cleared during a specific period of time may result in the loss of said monies to the UNIVERSITY. Therefore, the UNIVERSITY requires the CONTRACTOR take responsibility for notifying the UNIVERSITY when an invoice is over 90 days past due. Invoices older than six months for which the UNIVERSITY has not been previously notified in writing, will not be considered for payment.

A telephone call and a confirming letter specifying that the invoice numbers named are past due is necessary since the UNIVERSITY does not pay from Statements.

5. SPECIFICATIONS

5.1 Scope of Work

The work described below will vary depending on the site and campus where the wastes are generated. Each UC campus, laboratory or field station may have localized specifications such as scheduling, response time, pick-up locations, record keeping requirements, special reports, tracking and invoicing. A campus may request CONTRACTOR to provide Agreement pricing for support services.

Work shall consist of packing (if requested by a Campus), transportation and disposal of UNIVERSITY hazardous wastes, including a wide variety of chemicals from research and instructional laboratories and medical centers. It also includes wastes from campus services such as: paint shops, machine shops, transportation services (automotive and equipment repair), plating shops, agriculture stations, building and boiler maintenance, electrical maintenance, carpenter shops, and light bulb replacements.

Lab packs leaving the University for disposal must not be broken apart prior to receival at the final treatment/disposal site, but each drum and 100% of its contents must be disposed of using the method approved by the University unless prior approval is received from the University's technical Representative. If a lab pack is broken apart, each item must be tracked separately, unless the lab pack is repackaged, containing only items it originally contained. Lab pack repackaging shall not be done without expressed

written prior approval from the UNIVERSITY.

Required work may include a varying degree of lab pack and bulking services at each Campus. Some UNIVERSITY sites may only require transportation and disposal of hazardous waste lab packed by the UNIVERSITY. Other UNIVERSITY sites may require "full service"(see Section 2. Definitions) or a combination of both.

A Campus may request CONTRACTOR to provide Agreement pricing for labor and equipment for cleaning up hazardous material releases resulting from emergency spill situations.

A Campus may request CONTRACTOR to provide Agreement pricing for consulting services in matters of disposal of hazardous wastes. CONTRACTOR shall provide routine inquiries regarding packaging, profiling, manifesting, transporting, and disposal, re-using, or recycling at no charge.

Waste Analytical Testing

If required to perform waste analyses testing, CONTRACTOR shall provide to the UNIVERSITY, analytical documentation of all tests; including type of test, method, date and time, results, location of tests and person performing tests. UNIVERSITY shall not be charged for routine or mandatory testing (e.g., Btu and pH analysis) required to process or dispose of UNIVERSITY waste. CONTRACTOR shall obtain verbal UNIVERSITY approval by the EH&S Officer prior to performing any waste analysis to be charged to the UNIVERSITY.

Treatment/Disposal Method

It is the UNIVERSITY's desire to use the most environmentally safe and cost effective U.S. Environmental Protection Agency (USEPA) and California EPA (Cal/EPA) approved methods for the disposition of its waste, prioritized as follows:

1). Recycle/Recovery
2). Chemical or biological Treatment/Neutralization
3). Incineration and Destruction
4). Stabilization/Landfill in residuals Repository

Packaging, transportation, removal, treatment and disposal of all hazardous wastes shall be in accordance with all applicable local, State and Federal Laws and regulations.
Waste materials shall not be disposed of by deep well injection. All TSDF sites must be within the continental United States.

CONTRACTOR shall return the TSDF copy of the manifest to the UNIVERSITY within thirty (30) calendar days. CONTRACTOR shall supply a Certificate of Destruction, Certificate of Disposal, or Certificate of Recycling within one calendar year for each container shipped from any UNIVERSITY site. Failure to provide the Certificate of Destruction, Certificate of Disposal or Certification of Recycling within one calendar year shall result in liquidated damages equal to 10% of CONTRACTOR's invoice charge for said waste disposal for each month the certificate is delinquent.

5.1.1 Sales Service and Support

CONTRACTOR shall consult with each Campus EH&S Officer or UNIVERSITY affiliate to establish a

frequency for sales and service calls.

5.1.2 Technical Service and Support

CONTRACTOR shall provide to each Campus, within 15 days of Agreement start date, a list of personnel servicing the Campus, including drivers. Attached to the listing shall be the qualifications, training, licenses, and permits associated with each of the staff listed. UNIVERSITY Campuses shall be advised in writing on a timely basis (within 7 days of change in CONTRACTOR personnel) if personnel are to be changed. CONTRACTOR personnel turnover results in additional site specific training and loss of efficiencies. therefore, CONTRACTOR will discount the rate charged for new personnel by half during the first week each time CONTRACTOR replaces existing personnel. This applies to general labor personnel exceeding 20 hours per week at a UNIVERSITY site. These listings shall be updated every 12 months and provided to the appropriate Campus EH&S Officer.

CONTRACTOR agrees to report, within 24 hours, to the respective Campus EH&S Officer any injuries occurring during the normal course of work for the UNIVERSITY on UNIVERSITY premises or while waste is in transit.

5.1.3 Special Projects and Standard Hours of Operation

UNIVERSITY's hours of operation are site specific, however generally from 8:00 am to 5:00 p.m. Pacific Time, Monday through Friday, excluding National holidays. Hours of operation may vary somewhat at the National Laboratories. All routine business except for emergency response are to be conducted during these times unless the UNIVERSITY specifies other times. (CONTRACTOR must obtain written approval from a EH&S Officer to operate outside of these hours.)

Premium rates will not be paid unless agreed upon by the Campus EH&S Officer in advance of work performed. The UNIVERSITY considers overtime work as work in excess of 8 consecutive hours in one day or work on weekends and National holidays. Travel time is included in CONTRACTOR's hourly rates and is at no additional charge.

<u>On-site Service</u>

CONTRACTOR shall have a minimum of two crew members on site at all times or as specified by site specification for handling hazardous waste. Both crew members (including the on site supervisor) must be familiar with the specific UNIVERSITY Campus locations, packaging, shipping and disposal operations.

All crew will be on site at the agreed upon time. Daily work schedule for CONTRACTOR's crew on site and for off site shipments will be established in consultation with each Campus EH&S Officer.

5.1.4 Response Time

Waste streams requiring a new profile must be removed from job sites within a mutually agreed upon time, but not more than 10 working days after the necessary approvals and permits have been obtained, and within a total of 20 working days of receipt of individual telephone or written orders. Waste streams not requiring new profiles must be removed from jobsites within a mutually agreed upon time, but not more than 10 working days of receipt of individual telephone or written orders.

5.1.5 Personnel

Approval of all Subcontractors and Contractor's Crew

The UNIVERSITY reserves the right to approve all subcontractors and CONTRACTOR's crew used in the performance of this Agreement.

Recruitment of Personnel

The UNIVERSITY has a policy of open personnel recruitment, which includes posting of position vacancies by notices, flyers and advertisements. Individuals from CONTRACTOR's employ may, therefore, learn of such openings and may apply and will be considered for employment in the same manner as any other job applicant. However, the UNIVERSITY agrees not to have "targeted" or directed recruitment toward individuals employed by CONTRACTOR.

In the event an individual employed by CONTRACTOR obtains UNIVERSITY employment through the open recruitment process, the UNIVERSITY agrees not to begin such employment until a minimum of thirty (30) days after the individual has given the CONTRACTOR written notice of intent to accept UNIVERSITY employment. This is in lieu of any amount otherwise charged as a placement or recruitment fee by CONTRACTOR and shall completely discharge and release the UNIVERSITY from and against any claim for placement, recruitment or similar fees.

5.2 Technical Specifications

Operation Plan - CONTRACTOR is required to provide each Campus EH&S Officer with a current site specific Operation Plan describing the operations necessary to package, remove, transfer, treat and dispose of waste. At a minimum the plan must include the following:

1) The Spill Control and Countermeasure (SCC) Plan.
2) The primary and secondary pick-up routes to, and departure routes from the UNIVERSITY locations serviced.
3) The planned pathway of treatment and disposal of each waste stream including planned route(s) of transport, the routes to and from any Transfer, Storage, Treatment/Disposal or other facility, final disposal at approved landfill facilities, and a detailed description of the planned activities at those sites, including co-mingling and recycling of hazardous waste.
4) The identification of all facilities to be used by CONTRACTOR. Information provided shall include the EPA Identification Number, trade name, address, phone number, hours of operation, description of operation and ownership.
5) The time required from removal to final disposal, for the waste, on any given day.
6) A Contingency Plan, including complete information on back-up facilities and procedures, and the conditions under which they would be implemented.
7) All participating CONTRACTOR employees must have read and signed CONTRACTOR's Operation Plan and the UNIVERSITY's contingency plan.

CONTRACTOR must inform the UNIVERSITY in writing at least seven (7) working days of any changes in the Operation Plan before such changes take place. Any unforeseen occurrences which result either in implementation of the Contingency Plan or deviation from the Operation Plan must be communicated to the Campus EH&S Officer within 24 hours of such an occurrence.

5.2.1 Product Specifications

Each UNIVERSITY Campus, Laboratory or field station may have localized specifications or requirements such as scheduling, response time, pick-up locations, security, record keeping requirements, and invoicing. *See Attachment 2 for specific campus requirements.*

5.2.2 Performance Guarantee /Compliance Level

Clean up of hazardous waste spills must meet the satisfaction of the Campus EH&S Officer. Clean up includes housekeeping of the shipment preparation area to a condition equal to what existed prior to CONTRACTOR's arrival on site.

CONTRACTOR must package, ship and dispose of waste in the most cost effective legal manner. CONTRACTOR shall follow CONTRACTOR's written Operation Plan for packaging, shipping and disposal options used for UNIVERSITY waste, a copy shall be provided to each Campus EH&S Officer. The UNIVERSITY reserves the right and option to disapprove of the use of a particular treatment and or disposal site prior to transportation of hazardous waste to the site.

CONTRACTOR agrees to use only motor carriers that meet the applicable the Department of Energy's Motor Carrier Evaluation Program to transport UNIVERSITY hazardous waste. CONTRACTOR shall not utilize motor carriers that have failed to be successfully evaluated under the Department of Energy's Motor Carrier Evaluation Program criteria.

5.2.3 Qualifications of Personnel

The UNIVERSITY is not to be used as a training ground for CONTRACTOR's crew.

CONTRACTOR or CONTRACTOR's subcontractor crew member(s) shall have a minimum of 2 years experience in job duties performed, unless specifically agreed upon by the EH&S Officer in advance of work performed.

5.2.4 Permitting and Licensure

Copies of all operating permits and licenses shall be provided to each Campus EH&S Officer and kept current. CONTRACTOR agrees to notify each Campus EH&S Officer in writing if:

1) CONTRACTOR is served with notice of a violation of any law, regulation, permit or license which relate to service(s);

2) Proceedings are commenced which could lead to revocation of permits or licenses which relate to service(s);

3) Permits, licenses or other governmental authorization relating to service(s) are revoked;

4) Litigation is commenced against CONTRACTOR which could affect the service(s);

5) CONTRACTOR becomes aware that its equipment or facilities are not in compliance with applicable laws, regulations, permits or licenses.

CONTRACTOR must possess and maintain, all appropriate licenses, certificates and permits applicable to this Agreement.

5.2.5 Management Reports

The reports required of CONTRACTOR are an essential component of this Agreement. The reports aid in the measuring of performance and gauging the level of satisfaction by the UNIVERSITY as a customer. The UNIVERSITY has established minimum reporting guidelines.. The applicable reports are due on the date specified and in the format requested. Failure to consistently meet these reporting requirements will be basis for cancellation for cause under *Termination of Contact.* All reports are to be Campus specific and provided to Campus EH&S Officer. The UNIVERSITY may request the reports to be provided on various electronic media compatible with UNIVERSITY computer hardware and software. Suppliers are expected to comply with this request. Reports provided become the property of the UNIVERSITY.

CONTRACTOR shall consider all reports and UNIVERSITY data confidential and shall not distribute to any entity without the written permission of the UNIVERSITY.

CONTRACTOR shall furnish an annual usage report for each Campus and a summary report to the UNIVERSITY of California Office of the President EH&S Office and Planned Purchasing (see Part C, 7. Contacts with University Management). Timely submittal of reports is critical to the continuation of this Agreement. In a summary report CONTRACTOR is to identify savings and value added services attributed to this Agreement on an annualized basis. Reports are due July 20 of each calendar year, including the first six months of the initial Agreement.

CONTRACTOR shall also furnish information to complete reports required by the Hazardous Waste Source Reduction and Management Review Act of 1989 (SB 14) and provide each campus with the data required to complete the U.S. EPA Biennial Report. CONTRACTOR may be required to provide data to satisfy other legal reporting requirements of the UNIVERSITY.

Reports for the UNIVERSITY shall be at no additional cost to the UNIVERSITY.

The UNIVERSITY expects all areas of its relationship with the CONTRACTOR partner to be quantitatively assessed and managed for service, proficiency, efficiency and effectiveness. Therefore, the UNIVERSITY requires the CONTRACTOR's Total Quality Management (TQM) program to proactively monitor the total quality of its services to the UNIVERSITY, and implement programs which take action to improve or enhance the level of quality and customer satisfaction provided.

5.3 Warranties

The goods and services furnished under this Agreement shall be the most favorable commercial warranties CONTRACTOR offers to any customer for the same or substantially similar goods and services.

CONTRACTOR warrants that the TSDF sites utilized are in compliance with applicable federal, state and local laws, rules and regulations, are suitable to receive, and may lawfully receive, the specific hazardous materials and wastes delivered to it.

CONTRACTOR agrees that it shall immediately notify the UNIVERSITY if any TSDF is uses fails to comply with applicable laws, rules or regulations, or becomes unsuitable to receive the hazardous materials and waste delivered to it.

CONTRACTOR warrants that in the event of an accidental discharge or release of hazardous materials, CONTRACTOR shall, with due diligence, take immediate steps as required by federal, state, and local laws and regulations, and shall immediately notify the UNIVERSITY of all details regarding the accidental discharge or release of UNIVERSITY generated waste. CONTRACTOR shall only permit appropriate personnel within its company to make public statements, or issue news releases regarding the accidental discharge and CONTRACTOR specifically agrees that on any such occasions to consult with the UNIVERSITY before making any public statements or issuing any press statements which would identify the UNIVERSITY by name.

5.4 Delivery Requirements

5.4.1 Order Placement
CONTRACTOR will accept verbal order releases against this Agreement.

The UNIVERSITY shall have the right to cancel an item or service that has not or cannot be shipped in full as ordered within the agreed upon delivery time, and to reorder the item or items from another supplier.

5.4.2 Authorizations
All revised releases or services requested require approval of the Campus EH&S Officer.

5.4.3 Service Schedule
CONTRACTOR shall provide support services in accordance with Attachment 5 Support Services and Attachment 2 for each site. CONTRACTOR is expected to provide service on occasion within 24 hours of a request.

CONTRACTOR agrees to remove all hazardous waste containers from UNIVERSITY premises according to a mutually agreed upon schedule for each location.

5.4.4 Order Size
No minimum order quantity for waste pickup.

5.4.5 Delivery Site/Location
Treatment/Disposal Sites
All designated hazardous waste treatment/disposal sites must have appropriate approvals, permits and licenses as required by federal, state and local governments. CONTRACTOR shall identify for the UNIVERSITY the proposed and alternate sites to be used during the term of any resultant Agreement . Any change of treatment/disposal sites after the awarding of this Agreement must be approved by the UNIVERSITY in writing.

Contractor shall avoid shipping during traffic rush hours, generally between 7-9 a.m. and 4-6 p.m., if requested.

5.4.6 Inspection
The UNIVERSITY reserves the right to perform an on site audit of all Transfer, Storage and Treatment/ Disposal Facilities and transporters operated and/or utilized by the CONTRACTOR.

5.4.7 Special Delivery Instructions/Requirements

CONTRACTOR shall certify that all drivers who service UNIVERSITY sites, have current, valid California Drivers License with current Hazardous Materials Endorsements. The endorsement must meet the criteria for each type of vehicle driven (air brakes, dual axles, etc.). Each driver must be enrolled in the California Department of Motor Vehicles "Pull Notice Program" and maintain records for the term of this Agreement. CONTRACTOR shall comply with the U.S. Department of Transportation, Alcohol and Drug Testing rules and regulations.

CONTRACTOR drivers shall follow all federal, state and local laws, rules, and regulations and will notify the UNIVERSITY of any accidents, spills or releases while transporting its waste. CONTRACTOR may be required to follow designated routes specified by the UNIVERSITY.

Each vehicle or trailer used to haul the UNIVERSITY waste must have all applicable hazardous waste hauler permits.

Each vehicle or trailer used to haul the UNIVERSITY waste must be equipped with emergency response equipment and materials to handle a spill or release of the waste being transported.

5.4.8 Packaging

CONTRACTOR shall give 30 days written notice to UNIVERSITY of any change in packaging requirements covered by this Agreement of which the CONTRACTOR has knowledge.

All waste containers and shipping containers (prior to transport) shall be weighed using accurate and calibrated scales. CONTRACTOR shall provide each Campus EH&S Officer with calibration certifications for all scales used to weigh UNIVERSITY waste for invoicing purposes. Scales shall be calibrated every six months. Each UNIVERSITY campus retains the right to allow alternatively CONTRACTOR may use UNIVERSITY obtained weights. CONTRACTOR may be required to bring a bench scale to some sites.

CONTRACTOR agrees to provide certification that CONTRACTOR supplied containers are in compliance with DOT regulations.

UNIVERSITY reserves the right and option to supply containers for use by CONTRACTOR for disposal of UNIVERSITY hazardous waste materials. If the UNIVERSITY furnishes a container for Full Service work, CONTRACTOR agrees to reimburse the UNIVERSITY for the cost of the container.

5.4.9 Documentation

All waste to be shipped will be designated by tracking numbers and legibly recorded on inventory packing documents to the satisfaction of the Campus EH&S Officer.

6. GENERAL CONDITIONS

6.1 Other

The UNIVERSITY publishes Campus Contracts and Systemwide Agreements on the Internet under a World Wide Web site with restricted access for use by the UNIVERSITY OF CALIFORNIA. The UNIVERSITY is a public agency and does not consider pricing as confidential information once a Contract

or Agreement has been awarded. Protection of proprietary information and business secrets is described in Part C, Section 8 of RFP083SF044.

6.1.1 Late Interest Charges
Payments for UNIVERSITY purchases under this Agreement shall not be subject to any late charges or interest charges.

6.1.2 Loss of Equipment
The UNIVERSITY will not be responsible for the loss of equipment or materials left on UNIVERSITY premises by a vendor during the performance of work covered by the purchase Agreement.

6.1.3 No Free Parking
No free parking facilities are provided by the UNIVERSITY for CONTRACTOR or CONTRACTOR's subcontractors vehicles or employees.

UNIVERSITY may require vehicles parked on UNIVERSITY property be registered and be subject to the fees established by each Campus. Instructions and recommendations for parking will be provided to the CONTRACTOR by each Campus.

6.1.4 Ethics
CONTRACTOR shall comply with UNIVERSITY policies on gifts and gratuities.

CONTRACTOR shall exercise reasonable care and diligence to prevent any action or conditions which could result in a conflict with the UNIVERSITY's interest. During the term of this Agreement, CONTRACTOR shall not accept any employment or engage in any work which creates a conflict of interest with the UNIVERSITY or in any way compromises the work to be performed under this Agreement. CONTRACTOR and or its employees shall not offer substantial gifts, entertainment, payments, loans, or other consideration to UNIVERSITY employees, their families, other CONTRACTORS, subcontractors, and other third parties for the purpose of influencing such persons to act contrary to the UNIVERSITY's interest. CONTRACTOR shall immediately notify the UNIVERSITY of any and all such violations of this clause upon becoming aware of such violations.

6.1.5 Right to Know Legislation
CONTRACTOR shall comply with all enacted "right to know" legislation and all requirements established by the State of California, Federal and local governments pertaining to chemicals and hazardous substances, including those issued by California Occupational Safety Health Administration (Cal OSHA), Occupational Safety Health Administration (OSHA), USEPA and Cal/EPA.

6.1.6 Relationship of Parties
Nothing herein shall be construed to place the parties in the relationship of agent, partners or joint ventures or employer-employee and neither shall have the right to obligate or bind the other party in any matter whatsoever.

6.1.7 Indemnification
UNIVERSITY shall defend, indemnify and hold CONTRACTOR, its officers, agents, and employees harmless from and against any and all liability, loss, expense, including reasonable attorney's fees, or claims

for injury or damages arising out of the performance of this Agreement but only in proportion to and to the extent such liability, loss, expense, attorney's fees, or claims for injury or damages are caused by or result from the negligent or intentional acts or omissions of UNIVERSITY, its officers, agents or employees.

CONTRACTOR shall defend, indemnify and hold UNIVERSITY, its officers, agents, and employees harmless from and against any and all liability, loss, expense, including reasonable attorney's fees, or claims for injury or damages arising out of the performance of this Agreement but only in proportion to and to the extent such liability, loss, expense, attorney's fees, or claims for injury or damages are caused by or result from the negligent or intentional acts or omissions of CONTRACTOR, its officers, agents or employees.

CONTRACTOR (IT Corporation) shall indemnify and hold harmless the Regents of the University of California from any and all claims, demands, causes of action or suits, of whatever nature, arising out of CONTRACTOR's use of facilities owned or operated by Philip Environmental's Rho-Chem Facilities for the management of waste or material generated by the UNIVERSITY.

6.1.8 Contacts with University Management

U.S. Mail:

Dave Kolsom, Purchasing Manager
Procurement and Business Contracts Unit
UNIVERSITY OF CALIFORNIA, Berkeley
MC5600
Berkeley, CA 94720-5600
Phone: 510-643-5709; fax 510-642-8604

or Express Mail:

6701 San Pablo Ave., Suite #218
Oakland, CA 94608-1239

Direct Systemwide technical queries to:

David Belk, UC Office of the President
300 Lakeside Dr., 12th Floor
Oakland, CA 94612
510-987-9588/fax 510-987-0752

6.2 Insurance Requirements

CONTRACTOR shall provide UNIVERSITY with certification, by a properly qualified representative of the insurer, that CONTRACTOR's insurance complies with the requirements of this section. In addition, such certification shall describe each of the coverages below and on the attached Appendix A which must be written on an "occurrence" form.

Comprehensive or Commercial Form General Liability Insurance (contractual liability included and products and completed operation included) minimum limits $5,000,000 per occurrence and in the aggregate.

Pollution or environmental impairment liability with a limit of $5,000,000 per occurrence and in the aggregate.

Business Automobile Liability (owned, scheduled, non-owned, or hired automobiles) with a combined single limit of no less than $5,000,000 per occurrence and in the aggregate.

All insurance will provide for a Waiver of Subrogation waiving any right of recovery against the UNIVERSITY.

The term "the Insured" is hereby used severally and not collectively, but the inclusion herein of more than one insured shall not operate to increase the limits of the insurer's or insurers' liability.

In the event of claims being made under any of the coverages of the policy or policies referred to herein by one or more insureds hereunder for which another or other insured hereunder may be liable, then the policy or policies shall cover such insured or insureds against whom a claim is made or may be made in the same manner as if separate policies had been issued to each insured hereunder. Nothing contained herein, however, shall operate to increase the insurer's or insurers' limits of liability as set forth in the insuring agreements.

The insurance evidenced shall be primary insurance and not excess over or contributory with any other insurance or self-insurance of the UNIVERSITY.

All insurance policies required shall be issued by companies who hold a current Policyholder's Alphabetic and Financial Size Category Rating of not less than A XIII according to Bests Insurance Reports.

CONTRACTOR shall not start work until all certificates of insurance have been provided to the UNIVERSITY. CONTRACTOR hereby agrees that no payment shall be made by the UNIVERSITY until UNIVERSITY is in receipt of CONTRACTOR's insurance certificate. All insurance coverages and carriers are subject to the approval of the UNIVERSITY.

The terms of Appendix "A" require that certificates must be issued naming THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, and depending on where the work is performed, the United States Government, as an additional insured.

6.3 Agreement Administration

All changes to the pricing or terms and conditions for this Agreement shall be done by a Agreement Supplement (Change Order). CONTRACTOR may request a change in rates or terms and conditions by submitting a written request to the UNIVERSITY. If the UNIVERSITY concurs with the request, an Agreement Supplement will be issued.

6.4 Record Keeping and Auditing

This Agreement shall be subject to the examination and audit of the Auditor General of the State of California, United States Department of Energy (DOE) and UNIVERSITY Planned Purchasing Materiel Management for a period of three years after final payment under this Agreement. The examination and audit shall be confined to those matters connected with the performance of this Agreement, including, but not limited to, the costs of administering this Agreement.

Until the expiration of four years after the furnishing of the services provided under this Agreement, CONTRACTOR will make available to the Secretary, U.S. Department of Health and Human Services, the U.S. Controller General, and their representatives, the Agreement and all books, documents and records necessary to certify the nature and extent of the costs of those services. If CONTRACTOR carries out the duties of this Agreement through a subcontract worth $10,000 or more over a 12 month period with a related organization, the subcontract will also contain an access clause to permit access by the Secretary, Controller General, and their representatives to the related organization's books and records.

6.5 Terms and Conditions

Purchase orders/order releases issued for goods or services covered by this Agreement shall be governed by RFP083SF044, RFP083SF044 Amendment 1, RFP083SF044 Amendment 2, the UNIVERSITY Terms and Conditions of Appendix A, Supplement 3, Supplement 5, CONTRACTOR's bid response submittal and bid response correspondence to RFP083SF044 and general provisions stated herein only, incorporated herein as if fully written out. In the event of conflict, the terms and conditions of the UNIVERSITY shall take precedence over CONTRACTOR's RFP083SF044 bid submittal response. Any different or additional terms contained in CONTRACTOR's purchase acknowledgment, or other document(s), are unacceptable to the UNIVERSITY and will be rejected.

Special Terms and Conditions for National Laboratories

The following modification of terms and conditions shall apply only to the National Laboratories.

CONTRACTOR shall comply with The Service Contract Act.

Article 9 - INDEMNITY

In Paragraph A. General, Paragraph B Proprietary Rights, and Paragraph C Products, the terms "University" or "University's" are used, these terms are replaced with "University or U. S. Government" or "University's or U. S. Government" respectively.

ARTICLE 16 - INSURANCE

In Paragraph B., the last sentence, change "University" to "University and U. S. Government".

In the last Paragraph of Article 16, change "The Regents of the University of California" to "The Regents of the University of California and U. S. Government".

ARTICLE 20 - TAXES

In the last Paragraph of Article 16, change "University" to "University and U. S. Government".

ARTICLE 23 - CLAUSES INCORPORATED BY REFERENCE

The FAR and DEAR clauses listed below, which are located in Chapters 1 and 9, respectively, of Title 48 of the Code of Federal Regulations, will be incorporated by reference as a part of this Agreement, for all work performed at the request of the National Laboratories, as prescribed below. As used in the clauses, the term "contract" shall mean the "Agreement"; the term "subcontractor" shall mean the CONTRACTOR's "subcontractor", and the terms "Government" and "Contracting Officer" shall mean the UNIVERSITY.

The CONTRACTOR shall include the listed clauses in its subcontracts at any tier for the work requested, to

the extent applicable.

FAR 52.219-8 UTILIZATION OF SMALL, SMALL DISADVANTAGED AND WOMEN-OWNED SMALL BUSINESS CONCERNS (OCT. 1995), if the requested work exceeds $500,000

FAR 52.219-9 SMALL, SMALL DISADVANTAGED AND WOMEN-OWNED BUSINESS SUBCONTRACTING PLAN (OCT. 1995), if the requested work exceeds $500,000, unless the CONTRACTOR is a small business or there are no subcontracting possibilities

FAR 52.222-26 EQUAL OPPORTUNITY (APR. 1984)

FAR 52.222-35 AFFIRMATIVE ACTION FOR SPECIAL DISABLED AND VIETNAM ERA VETERANS (APR. 1984), if the requested work exceeds $10,000

FAR 52.222-36 AFFIRMATIVE ACTION FOR HANDICAPPED WORKERS (APR. 1984), if the requested work exceeds $2,500

FAR 52.227-1 AUTHORIZATION AND CONSENT (JUL. 1995), if the requested work is for services

FAR 52.227-3 PATENT INDEMNITY (APR. 1984), if the requested work is for services

FAR 52.244-6 SUBCONTRACTS FOR COMMERCIAL ITEMS AND COMMERCIAL COMPONENTS (OCT. 1995)

6.5.1 Product Liability Indemnity Provision

CONTRACTOR shall fully indemnify, defend, and hold harmless UNIVERSITY, its officers, agents, and employees from and against any and all claims, action, and liability, for injury, death, and property damage, arising out of the dispensing or use of any of the CONTRACTOR's products and services provided under authorized UNIVERSITY orders. In addition to the liability imposed by law on the CONTRACTOR for damage or injury (including death) to persons or property by reason of the negligence, willful acts or omissions, or strict liability of the CONTRACTOR or his agents, which liability is not impaired or otherwise affected hereby, the CONTRACTOR hereby assumes liability for and agrees to save UNIVERSITY harmless and indemnify it from every expense, liability or payment by reason of any damage or injury (including death) to persons or property suffered or claimed to have been suffered through any act or omission of the CONTRACTOR. The UNIVERSITY agrees to provide CONTRACTOR with prompt notice of any such claims and to permit CONTRACTOR to defend any claim or suit, and that it will cooperate fully in such defense.

6.5.2 Termination of Agreement

This Agreement may be terminated by UNIVERSITY or CONTRACTOR for convenience in whole or in part at any time in accordance with the terms of Article 4 of the attached Appendix A. In the event of such termination, both parties agree to provide at least ninety (90) days prior written notice of the effective date of termination and the extent thereof.

If within ten (10) calendar days of receipt of written notice to CONTRACTOR from UNIVERSITY of CONTRACTOR's breach of any term or condition of this Agreement, CONTRACTOR shall fail to remedy such breach, then UNIVERSITY may, by prior written notice, terminate this Agreement in whole or in part at any time.

In addition to other remedies described in Article 4, it should be understood that future Agreements with the UNIVERSITY may be limited or withheld completely, pending re-establishment of an acceptable record by

CONTRACTOR.

Termination of any existing campus contract by CONTRACTOR during the term of the Agreement may demonstrate an unacceptable record by the CONTRACTOR and may provide a basis for the termination by he UNIVERSITY under Section 3.2 or this Section.

6.5.3 Entire Agreement

This Agreement states the entire agreement between the parties in respect to the subject matter and supersedes any previous or contemporaneous oral or written proposals, statements, discussions, negotiations, or other agreements. The parties acknowledge that they have not been induced to enter into this Agreement by any oral or written representations or statements not expressly contained in this Agreement. This Agreement maybe modified, or any provision waived, only by writing signed by the parties.

IT Sched. . Charges

BLOCK	Item Description(s)	UOM	Disposal Method	Total Unit Price for Transportation & Disposal	Unit Price for (Full Service)	Transporter	TSDF 1	Final TSDF 2
1	LABPACK WASTES							
	Labpacks - Non-reactive	lb	Treat/Incin	$1.31	$2.09	IT, Philip	Rho-Chem, Kent	attached 2, 3
	Labpacks - Reactive	lb	Treat/Incin	$10.23	$11.05	IT, Philip	Rho-Chem, Kent	attached 2, 3
	Labpacks - Paints	lb	Treat/Incinerate	$0.81	$1.59	IT, Philip	Rho-Chem, Kent	attached 2, 3
	Mercury - Salts/Solutions	lb	Treat/Incinerate	$33.88	$34.66	IT, Philip	Rho-Chem, Kent	attached 1,2, 3
	PIH, Zone "A"s	lb	Incinerate	$5.73	$6.51	IT, Philip	Rho-Chem, Kent	attached 3
	Dioxins	lb	Incinerate	$7.83	$8.61	IT, Philip	Rho-Chem, Kent	attached 2, 3
	Volatile Liquids in Canisters	lb	Incinerate	$10.23	$11.05	IT, Philip	Rho-Chem, Kent	attached 2, 3
	Aerosol Cans	lb	Incinerate	$1.26	$2.04	IT, Philip	Rho-Chem, Kent	attached 2, 3
	Haz Categorization							
	Total Block 1							
2	BULK WASTES							
	Bulk Liquids - Aqueous	gal	Incinerate	$4.36	$6.98	IT, Philip	Rho-Chem, Kent	attached 2, 3
	Bulk Liquids - Organic Acids	gal	Treatment	$3.96	$6.58	IT, Philip	Rho-Chem, Kent	attached 2, 3
	Bulk Solids - Lab Trash (Non-RCRA)	lb	Treat/Incinerate	$0.96	$1.25	IT, Philip	Rho-Chem, Kent	attached 2, 3
	Bulk Solids - Lab Trash (RCRA)	lb	Incinerate	$1.71	$2.00	IT, Philip	Rho-Chem, Kent	attached 2, 3
	Mercury - Debris	lb	Landfill	$33.81	$34.10	IT, Philip	Rho-Chem, Kent	attached1, 2, 3
	Bulk Solids - Soils	lb	Biorem/Inc	$0.93	$1.22	IT, Philip	Rho-Chem, Kent	attached 2, 3
	Bulk Solids-Lithographic Ink	lb	Recycle/Treat	$0.83	$1.12	IT, Philip	Rho-Chem, Kent	attached 2, 3
	Medical Sharps contaminated with Hazardous Wastes	lb	Incinerate	$1.71	$2.00	IT, Philip	Rho-Chem, Kent	attached 2, 3
	Empty Drums	ea	Recyc/Landfill	$27.60	$28.60	IT, Philip	Rho-Chem, Kent	attached 4
	Total Block 2							
3	RECYCLABLE SOLVENTS							
	Solvents for recycle	gal	Redistilled	$2.46	$5.08	IT, Philip	Rho-Chem, Kent	attached 2, 3
	Bulk Liquids - High BTU	gal	Recycle/Fuels	$2.50	$5.12	IT, Philip	Rho-Chem, Kent	attached 2, 3
	Bulk Liquids - Low BTU	gal	Recycle/Fuels	$2.50	$5.12	IT, Philip	Rho-Chem, Kent	attached 2, 3
	Total Block 3							
4	RECYCLABLE METALS							
	Lead	lb	Recycle	$1.88	$2.17	IT, Philip	Rho-Chem, Kent	attached 2, 3

BLOCK	Item Description(s)	UOM	Disposal Method	Total Unit Price for Transportation & Disposal	Unit Price for (Full Service)	Transporter	TSDF 1	Final TSDF 2
	Mercury	lb	Recycle	$3.88	$4.17	IT, Philip	Rho-Chem, Kent	attached 2, 3
	Copper	lb	Recycle	$0.88	$1.17	IT, Philip	Rho-Chem, Kent	attached 2, 3
	Magnesium	lb	Recycle	$1.88	$2.17	IT, Philip	Rho-Chem, Kent	attached 2, 3
	Barium	lb	Recycle	$1.88	$2.17	IT, Philip	Rho-Chem, Kent	attached 2, 3
	Total Block 4							
5	PCB WASTES							
	PCBs - Liquids	gal	Incinerate					
	PCBs - Capacitors	lb	Recyc/Inc					
	PCBs - Ballasts	lb	Recyc/Inc					
	PCBs - Carcasses	lb	Recycle/Landfill					
	Total Block 5							
6	BATTERIES (NON-AUTO)							
	Batteries - Nickel/Cadmium	lb	Recyc/Treat	$1.78	$2.56	IT, Philip	Rho-Chem, Kent	attached 1, 3
	Batteries - Lead Acid (non-auto)	lb	Recyc/Treat	$0.81	$1.59	IT, Philip	Rho-Chem, Kent	attached 1, 3
	Batteries - Lithium	lb	Recycle/Incin	$3.28	$4.06	IT, Philip	Rho-Chem, Kent	attached 1, 3
	Batteries - Silver	lb	Recycle	$0.81	$1.59	IT, Philip	Rho-Chem, Kent	attached 1, 3
	Batteries - Carbon/Zinc	lb	Recycle	$0.81	$1.59	IT, Philip	Rho-Chem, Kent	attached 1, 3
	Batteries - Alkaline	lb	Recycle	$0.81	$1.59	IT, Philip	Rho-Chem, Kent	attached 1, 3
	Batteries - High Mercury	lb	Recyc/Treat	$4.06	$4.86	IT, Philip	Rho-Chem, Kent	attached 1, 3
	Total Block 6							
7	OILS AND AUTO WASTES							
	Recyclable Oil	gal	Recycle					
	Antifreeze	gal	Recycle					
	Oil and Water	gal	Recycle					
	Oil Filters	lb	Recycle					
	Total Block 7							
8	PHOTOGRAPHIC WASTES							
	Photographic Fixer	gal	Recyc/Treat					
	Photographic Developer	gal	Recyc/Treat					
	Photographic mixed Developers and Fixers and/or Replenishers	gal	Recyc/Treat					
	Canisters/Cartridges	ea	Recyc/Treat					

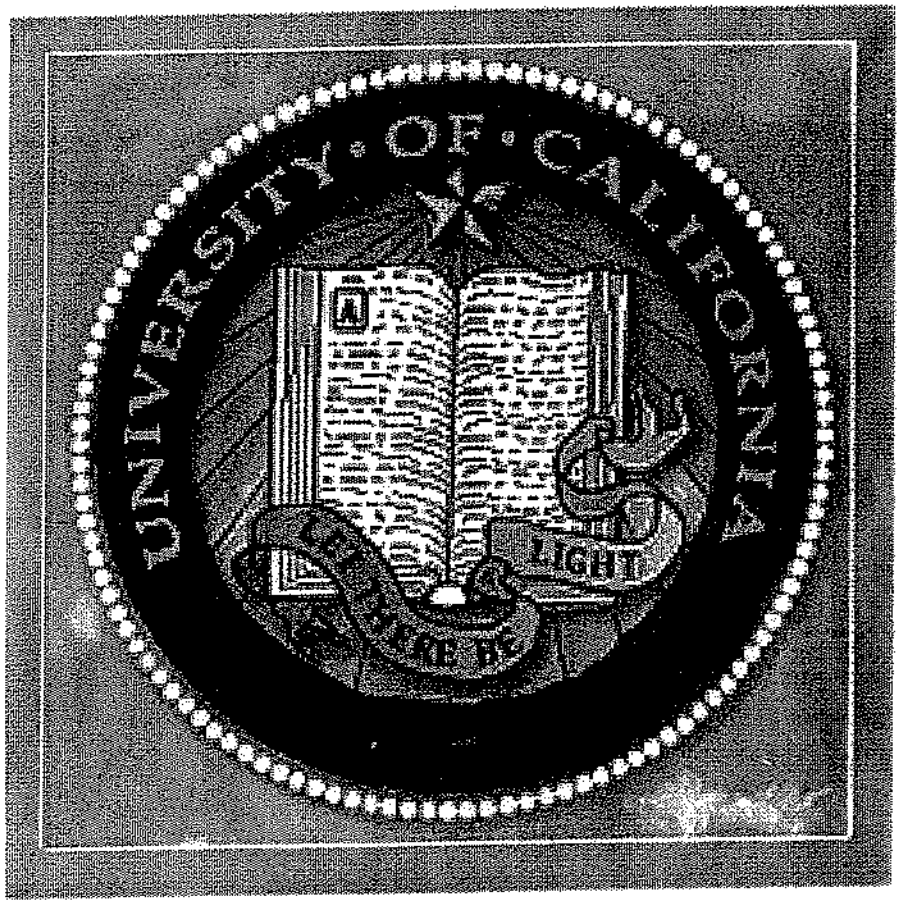
BLOCK	Item Description(s)	UOM	Disposal Method	Total Unit Price for Transportation & Disposal	Unit Price for (Full Service)	Transporter	TSDF 1	Final TSDF 2
	Total Block 8							
9	PAINT WASTES							
	Bulk Paint (Flammable)	gal	Recycle/Inc	$3.19	$5.81	IT, Philip	Rho-Chem, Kent	attached 2, 3
	Bulk Paint (Oil Base)	gal	Recycle/Inc	$3.19	$5.81	IT, Philip	Rho-Chem, Kent	attached 2, 3
	Bulk Paint (Water Base)	gal	Recycle/Inc	$3.06	$5.68	IT, Philip	Rho-Chem, Kent	attached 2, 3
	Bulk Paint (Solids)	lb	Recycle/Inc	$0.81	$1.59	IT, Philip	Rho-Chem, Kent	attached 2, 3
	Bulk Regulated Metal Based Paint Solids	lb	Recycle/Treat	$0.81	$1.59	IT, Philip	Rho-Chem, Kent	attached 2, 3
	Total Block 9							
10	LIGHT BULB WASTE							
	Fluorescent Tubes	ft	Recycle					
	High & Low Pressure Sodium bulbs	ft	Recycle					
	HID	ft	Recycle					
	Mercury Vapor Lightbulbs	ft	Recycle					
	Total Block 10							
11	GAS LECTURE BOTTLES (KNOWN)							
	Spheres (~8" diameter)							
	Flammable Gases	ea	Recycle/Treat/Incin					
	Inert/Noble Gases	ea	Recycle/Treat/Incin					
	Air Gases	ea	Recycle/Treat/Incin					
	Oxidizing Inorganic Gases	ea	Recycle/Treat/Incin					
	Water Reactive Inorganic Gases	ea	Recycle/Treat/Incin					
	Organic Metallic Liquids/Gases	ea	Recycle/Treat/Incin					
	Pyrophoric Liquids/Gases	ea	Recycle/Treat/Incin					
	Corrosive acid Gases	ea	Recycle/Treat/Incin					
	Poison Gases	ea	Recycle/Treat/Incin					
	Lecture Bottles (<3" diameter by <13" long)							
	Flammable Gases	ea	Recycle/Treat/Incin					
	Inert/Noble Gases	ea	Recycle/Treat/Incin					
	Air Gases	ea	Recycle/Treat/Incin					
	Oxidizing Inorganic Gases	ea	Recycle/Treat/Incin					

BLOCK	Item Description(s)	UOM	Disposal Method	Total Unit Price for Transportation & Disposal	Unit Price for (Full Service)	Transporter	TSDF 1	Final TSDF 2
	Water Reactive Inorganic Gases	ea	Recycle/Treat/Incin					
	Organic Metallic Liquids/Gases	ea	Recycle/Treat/Incin					
	Pyrophoric Liquids/Gases	ea	Recycle/Treat/Incin					
	Corrosive acid Gases	ea	Recycle/Treat/Incin					
	Poison Gases	ea	Recycle/Treat/Incin					
	Small Cylinders (<4" diameter by < 24" long)							
	Flammable Gases	ea	Recycle/Treat/Incin					
	Inert/Noble Gases	ea	Recycle/Treat/Incin					
	Air Gases	ea	Recycle/Treat/Incin					
	Oxidizing Inorganic Gases	ea	Recycle/Treat/Incin					
	Water Reactive Inorganic Gases	ea	Recycle/Treat/Incin					
	Organic Metallic Liquids/Gases	ea	Recycle/Treat/Incin					
	Pyrophoric Liquids/Gases	ea	Recycle/Treat/Incin					
	Corrosive acid Gases	ea	Recycle/Treat/Incin					
	Poison Gases	ea	Recycle/Treat/Incin					
	Sample Cylinders (<2" diameter by 6" long)							
	Flammable Gases	ea	Recycle/Treat/Incin					
	Inert/Noble Gases	ea	Recycle/Treat/Incin					
	Air Gases	ea	Recycle/Treat/Incin					
	Oxidizing Inorganic Gases	ea	Recycle/Treat/Incin					
	Water Reactive Inorganic Gases	ea	Recycle/Treat/Incin					
	Organic Metallic Liquids/Gases	ea	Recycle/Treat/Incin					
	Pyrophoric Liquids/Gases	ea	Recycle/Treat/Incin					
	Corrosive acid Gases	ea	Recycle/Treat/Incin					
	Poison Gases	ea	Recycle/Treat/Incin					
	Total Block 11							
12	POTENTIALLY EXPLOSIVE WASTES		Incinerate					
	Reactive compounds not requiring stabilization	lb	Incinerate					
	Reactive compounds requiring stabilization	lb	Incinerate					
	Organic Peroxide	lb	Incinerate					

BLOCK	Item Description(s)	UOM	Disposal Method	Total Unit Price for Transportation & Disposal	Unit Price for (Full Service)	Transporter	TSDF 1	Final TSDF 2
	Total Block 12							
13	ASBESTOS WASTES		Landfill					
	Asbestos Friable	lb	Landfill	$0.14	$0.29	IT	Azusa, CAM	Azusa, CAM
	Asbestos Non-Friable	lb	Landfill	$0.14	$0.29	IT	Azusa, CAM	Azusa, CAM
	Total Block 13							
14	PATHOLOGIC TISSUES							
	Animal Carcasses, Pathologic Human Tissues/Micro-Organisms/Regulated Medical Sharps	lb	Incinerate					
	Total Block 14							
15	DRUMS & PACKAGING MATERIALS							
	85 gallon Steel Overpack	ea			$95.00			
	85 gallon Poly Overpack	ea			$105.00			
	55 gallon Steel Open Top	ea			$26.00			
	55 gallon Steel Bung Top	ea			$26.00			
	55 gallon Poly Open Top	ea			$47.00			
	55 gallon Poly Bung Top	ea			$33.00			
	55 gallon Fiber Drums	ea			$25.00			
	30 gallon Steel Open Top	ea			$41.00			
	30 gallon Steel Bung Top	ea			$35.00			
	30 gallon Poly Open Top	ea			$32.00			
	30 gallon Poly Bung Top	ea			$32.00			
	30 gallon Fiber Drums	ea			$26.00			
	20 gallon Poly Open Top	ea			$32.00			
	20 gallon Poly Bung top	ea			$15.00			
	20 gallon Fiber Drums	ea			$18.00			
	20 gallon Steel Bung Top	ea			$25.00			
	14 gallon Poly Open Top	ea			$17.00			
	10 gallon Fiber Drums	ea			$15.00			
	10 gallon Steel	ea			$22.00			
	5 gallon Steel Open Top	ea			$8.50			
	5 gallon Fiber Drums	ea			$6.00			

BLOCK	Item Description(s)	UOM	Disposal Method	Total Unit Price for Transportation & Disposal	Unit Price for (Full Service)	Transporter	TSDF 1	Final TSDF 2
	5 gallon Poly	ea			$15.00			
	Vermiculite (3 Cubic Foot Bag)	ea			$10.00			
	Superfine	ea			$10.00			
	Floor Dry (25 lb Bag)	ea			$10.00			
	Wooden Box (DOT 15A)	ea			$58.00			
	5 gallon 2U carboys	ea			$8.50			
	Drum Liners - 55 gallon	ea			$0.65			
	Drum Liners - 30 gallon	ea			$0.35			
	Containers for Fluor. Tubes	ea			$8.50			
	Containers for other Lightbulbs	ea			$8.50			
	Total Block 15 per each							
16	LABOR RATES							
	Hourly Rates by Worker Class							
	Technician	hr			$24.50			
	Driver	hr			$36.00			
	Shipping Clerk	hr			$38.00			
	Senior Technician	hr			$30.60			
	Chemist	hr			$43.50			
	Supervisor	hr			$46.00			
	HazCat/Unknown	ea			$2.60			
	Total Block 16 per hour							
17	EMERGENCY RESPONSE SERVICES							
	7 days per week 24 hours per day on-call	hr						
	Technician	hr			$34.30			
	Driver	hr			$50.40			
	Shipping Clerk	hr			$53.20			
	Senior Technician	hr			$42.84			
	Chemist	hr			$60.90			
	Supervisor	hr			$64.40			
	HazCat/Unknown	ea			$3.64			
	Total Block 17							

University of California Systemwide Hazardous Waste Disposal ECI Submittals



September 23, 1999

PHILIP ENVIRONMENTAL

ECI
ECOLOGY CONTROL INDUSTRIES
A Full Service Environmental Company

Submittal Book
Table of Contents

	Tab Number
ECI Program Information: ECI Phone List Program Organization Chart	1
Permits: ECI Philip Rho-Chem Philip Kent Philip Tacoma Philip Georgetown Philip Avalon Philip Kansas City	2
Insurance: ECI Form Philip Rho-Chem Philip Burlington Environmental, Inc. Philip Avalon Philip Kansas City	3
Profile: Philip Rho-Chem Philip Kent Philip Avalon Philip Kansas City	4
Land Disposal Restriction Notification: Philip	5
Certificate of Disposal: Philip Rho-Chem Philip Kent	6

Table of Contents (Continued)

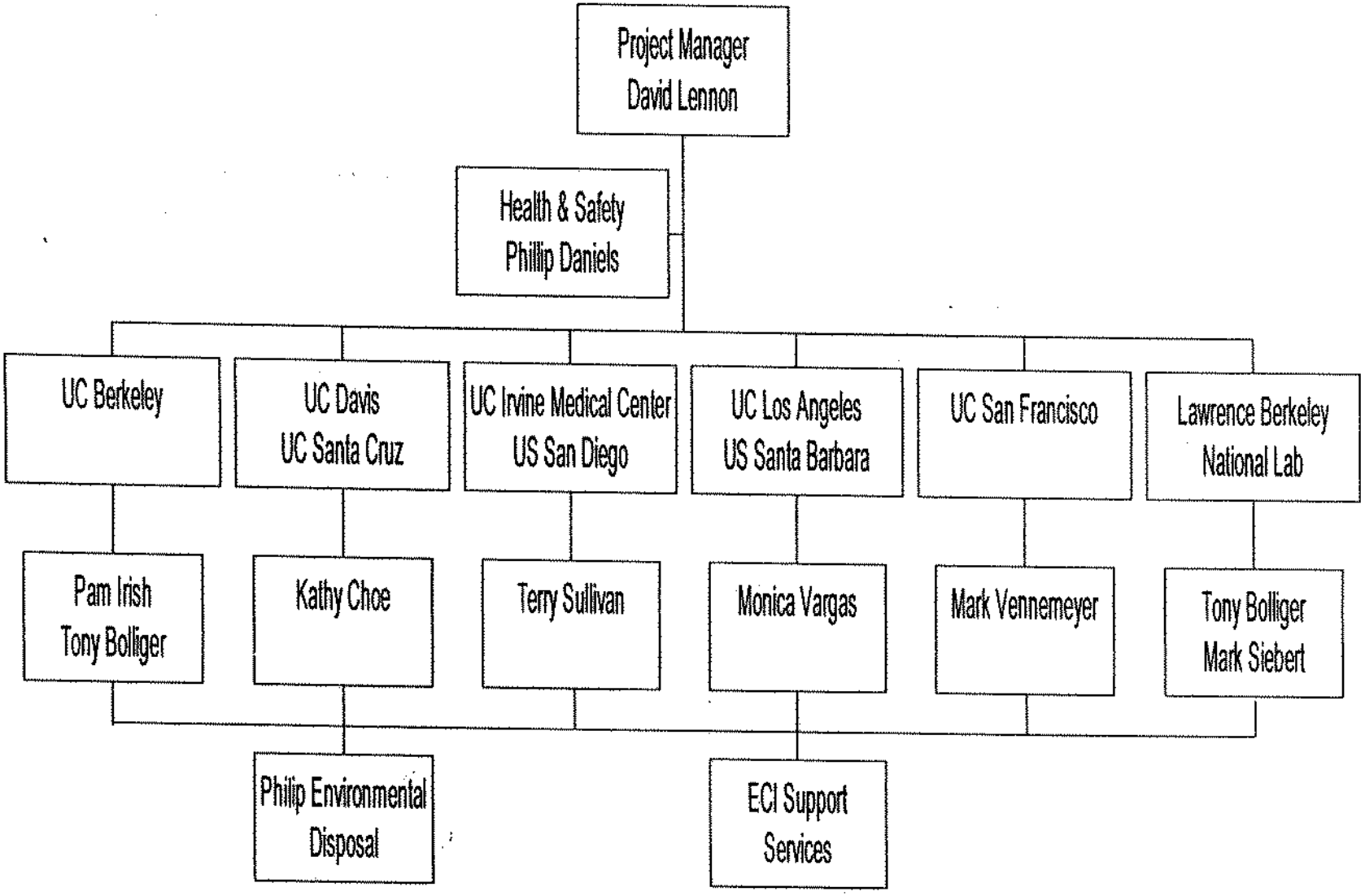
	Tab Number
Manifest Information: Philip Rho-Chem Philip Kent Philip Rho-Chem Transportation Philip Burlington Transportation Philip Subcontractor Transportation Environmental Transportation Services, Inc. Tristate Motor Transit Company DenBeste Transportation, Inc. KVS Transportation, Inc. AllWaste, Inc.	7
Philip End Facility List:	8
Packaging Guide: Philip Rho-Chem Philip Kent Waste Technologies, Inc.	9

POSITION	UNIVERSITY	NAME	LOCATION	PHONE NUMBER	FAX NUMBER	PAGER NUMBER
Program Manager	All	David Lennon	20846 Normandie Avenue Torrance, CA 90502	310-320-2555 ext. 126	310-320-1561	Privacy Act
ECI Health and Safety	All	Phillip Daniels	19500 Normandie Avenue Torrance, CA 90502	310-354-9999	310-660-6926	[redacted]
Field Chemist	Santa Barbara, Los Angees	Monica Vargas	19500 Normandie Avenue Torrance, CA 90502	310-354-9999	310-660-6926	[redacted]
Field Chemist	San Francisco, Berkeley, Davis	Tony Bolliger	255 Parr Boulevard Richmond, CA 94801	510-970-7469	510-235-3709	[redacted]
Field Chemist	San Francisco, Davis	Mark Vennemyer	33515 Western Avenue Union City, CA 94587	510-476-1290	510-476-1299	[redacted]
Field Chemist	Davis, Santa Cruz, Berkeley	Kathy Choe	255 Parr Boulevard Richmond, CA 94801	510-235-1393	510-235-3709	[redacted]
Field Supervisor	Berkeley	Pam Irish	255 Parr Boulevard Richmond, CA 94801	510-235-1393	510-235-3709	[redacted]
Field Chemist	UC Irvine Medical Center, San Diego	Terry Sullivan	19500 Normandie Avenue Torrance, CA 90502	310-354-9999	510-660-6926	[redacted]
ECI Sales	San Francisco, Davis	Don Doodokyan	255 Parr Boulevard Richmond, CA 94801	510-235-1393	510-235-3709	[redacted]
Field Supervisor	Lawrence Berkeley National Lab	Mark Siebert	255 Parr Boulevard Richmond, CA 94801	510-486-7536	510-486-4838	[redacted]
Philip Sale	All	Mark Baskin	425 Isis Avenue Inglewood, CA 90301	714-593-1748	714-593-1879	[redacted]
Philip Customer Service	All	Jeff McClure	425 Isis Avenue Inglewood, CA 90301	323-776-6233	310-645-6379	
Philip Rho-Chem Facility	All	N/A	425 Isis Avenue Inglewood, CA 90301	323-776-6233	310-645-6379	
Philip Kent Facility	All	N/A	20245-77th Avenue South Kent, WA 98031	800-228-7872	425-227-6187	
Procurement Manager	Contract Wide	Gary Mack	1111 Franklin Street 10th Floor Oakand, CA 94607-5200	510-987-0472	510-834-0856	
EH&S Manager	Berkeley	Pat Goff	University Hall 3rd Floor Berkeley, CA 94720-1150	510-642-1925	510-643-7595	
EH&S	Berkeley	Philip Kruse	University Hall 3rd Floor Be[illegible]y, CA 94720-1150	510-643-6384	510-643-7595	

POSITION	UNIVERSITY	NAME	LOCATION	PHONE NUMBER	FAX NUMBER	PAGER NUMBER
EH&S	Berkeley	Mark Van Valkenbrugh	University Hall 3rd Floor Berkeley, CA 94720-1150	510-643-8976	510-643-7595	
EH&S	Davis	Andrew Majewski	Environmental Health & Safety Davis, CA 95616	530-754-8228	530-752-4527	
EH&S Manager	Davis	Jim Newman	Environmental Health & Safety Davis, CA 95616	530-304-1454	530-752-4527	
EH&S	Davis	Barry Williams	Environmental Health & Safety, Davis, CA 95616	530-752-3733	530-752-4527	
EH&S Manager	Lawrence Berkeley National Lab	Roshan Shadiou	One Cyclotron Road M/S 85B Berkeley, CA 94720	510-486-5877	510-486-4838	
EH&S	Lawrence Berkeley National Lab	Michelle Flynn	One Cyclotron Road M/S 85B Berkeley, CA 94720	510-486-6654	510-486-6603	
EH&S	Lawrence Berkeley National Lab	Chan Ho Yi	One Cyclotron Road M/S 85B Berkeley, CA 94720			
EH&S Manager	Los Angeles	David Ott	10920 Wilshire Blvd, Suite #1850 Los Angeles, CA 90024-1605 M/C 160548	310-206-8692	310-825-7076	
EH&S	Los Angeles	Eric Binder	19020 Wilshire Blvd, Suite #1850 Los Angeles, CA 90024-1605 M/C 160548	310-206-1887	310-825-7076	
EH&S Manager	UC Santa Cruz	Ilse Kolbus	Environmental Health & Safety Santa Cruz, CA 95064	408-459-4030	408-459-3209	
EH&S	UC Santa Cruz	John Yap	Environmental Health & Safety Santa Cruz, CA 95064	408-459-3086	408-459-3209	Privacy Act
EH&S	Riverside	Adam Moore	Environmental Health & Safety Riverside, CA 92521-0306	909-787-5518	909-787-5122	
EH&S Manager	San Diego	Clark Martin	9500 Gilman Drive La Jolla, CA 92093-0958	619-534-9778	619-534-9708	
EH&S	San Diego	Garrett McLeish	9500 Gilman Drive La Jolla, CA 92093-0958	619-534-9687	619-534-9708	
EH&S	San Diego	Agustin Palos	9500 Gilman Drive La Jolla, CA 92093-0958	619-534-9759	619-534-9708	
EH&S Manager	San Francisco	John Shaver	50 Medical Center Way San Francisco, CA 94143-0942	415-476-0568	415-476-0581	

POSITION	UNIVERSITY	NAME	LOCATION	PHONE NUMBER	FAX NUMBER	PAGER NUMBER
EH&S	San Francisco	Bert Luistro	50 Medical Center Way San Francisco, CA 94143-0942	415-476-0964	415-476-0581	
EH&S	San Francisco	Marcial Aguinaldo	50 Medical Center Way San Francisco, CA 94143-0942	415-476-0544	415-476-0581	
EH&S	Santa Barbara	Bruce Carter	UC Santa Barbara EH&S Bldg 565 Santa Barabara, CA 93106	805-893-3293	805-893-7259	
EH&S	UCI Med Center	David Mori	101 The City Drive Orange, CA 92868	714-456-6738	714-634-8639	

UC SYSTEM


Project Manager
David Lennon
Health & Safety
Phillip Daniels
UC Berkeley
UC Davis
UC Santa Cruz
UC Irvine Medical Center
US San Diego
UC Los Angeles
US Santa Barbara
UC San Francisco
Lawrence Berkeley
National Lab
Pam Irish
Tony Bolliger
Kathy Choe
Terry Sullivan
Monica Vargas
Mark Vennemeyer
Tony Bolliger
Mark Siebert
Philip Environmental
Disposal
ECI Support
Services

ECI /// PERMITS

ATE	PERMIT #	PERMIT NAME	AGENCY
xx/xx	313-0774-7	State ID Number	
xx/xx	77-0217403	Federal EIN Number	
/05/26	H-1144	Haz. Waste Transport. Permit	AR Highway Police
xx/xx	143179 A	Contractor's License (General Engr)	AZ, State of
xx/xx	143180 L-05	Contractor's License (Undergd Stg Tanks)	AZ, State of
	710217403-900	Vendor Number	AZ, State of
xx/xx	07-577920	Business License	AZ Dept of Revenue
/09/30	14674	Business License	Azusa, City of
/12/31	B0115949	Business License	Beverly Hills, City of
xx/xx	CA-293	CHP Carrier Number	CA Highway Patrol
/05/05	FC 25171	BIT Program (Biennial Inspection of Terminal -Torrance)	CA Highway Patrol
xx/xx	FC 195482	BIT Program (Biennial Inspection of Terminal-Richmond)	CA Highway Patrol
xx/xx	FC 72985	BIT Program (Biennial Inspection of Terminal-Ventura)	CA Highway Patrol
/12/23	921337	Wide Load Permit (Crown Tank -Ventura)	CA Dept of Transportation
12/23	921338	Wide Load Permit (Crown Tank -Torrance)	CA Dept of Transportation
12/31	119, 120, 121,122	Inedible Kitchen Grease Transporter	CA Dept of Food & Agriculture
12/23	921339	Wide Load Permit (Crown Tank - Torrance)	CA Dept of Transportation
12/23	921340	Wide Load Permit (Crown Tank - Torrance)	CA Dept of Transportation
	921333	Wide Load Permit (Crown Tank - Richmond)	CA Dept of Transportation
	921334	Wide Load Permit (Crown Tank - Richmond)	CA Dept of Transportation
12/23	921335	Wide Load Permit (Crown Tank)	CA Dept of Transportation
12/23	921336	Wide Load Permit (Crown Tank)	CA Dept of Transportation
10/31	741611	Contractor's License	CA Dept of Consumer Affairs
08/30	596908	Contractor's License	CA Dept of Consumer Affairs
10/31	0000293	Motor Carrier Permit	CA Dept of Motor Vehicles
x/xx	A-674	IRP # (International Registration Plan)	CA Dept of Motor Vehicles
x/xx	A-664	IRP # (International Registration Plan)	CA Dept of Motor Vehicles
10/31	CA#0000293	Motor Carrier Permit	CA Dept of Motor Vehicles (ICC)
12/31	EX 031100	IRP/SSRS (Single State Registration System)	CA Dept of Motor Vehicles
x/xx	T144115	CA PUC	CA Public Utilities Comm.
12/31	99-904263	Annual Trench/Excavation	CA - OSH
x/xx	FR-AR-15-794538	Use Fuel Tax Permit	CA Board Of Equalization
03/21	1533	Haz. Waste Hauler	CA DTSC
12/31	IF MT 59000216	IFTA (INT'L FUEL TAX AGREEMENT)	CA Board Of Equalization
02/29	51250	Haz. Mat'l License	CA Highway Patrol
1/30	47064	Business License	Carson, City of
09/24	HMP-03414	Haz. Mat'l Transp. Permit	CO PUC
05/31	BL013258	Bussiness License	Costa Mesa, City of
2/31	537352	Business License	Culver City, City of
	6811	Business License	El Segundo, City of

ECI /// PERMITS

TE	PERMIT #	PERMIT NAME	AGENCY
04/30	144223	Business License	Escondido, City of
06/20	WNSO654	Radio Station License	Fed. Communication Comm.
07/07	WPFD954	Radio Station License	Fed. Communication Comm.
06/30	005194-2	Haz. Waste License	Fire Dept, L A County
12/31	221746	Business License	Fullerton, City of
12/31	16084	Business License	Hawthorne, City of
03/01	A193452	Business License	Huntington Beach, City of
12/31	1035665	Hazardous Mat'l Endorsement	Idaho, State of
03/31	2838-5985	Certificate of Registration	Illinois Dept of Revenue
11/30	98018738	Business License	Irvine, City of
12/31	CAD982030173	Transport. Permit	KS Dept of Health & Environ.
07/14	CE689296	Wide Load Permit (Unit #29001)	LA County Public Works
07/15	CE689285	Wide Load Permit (Unit #28003)	LA County Public Works
07/15	CE689294	Wide Load Permit (Unit #28004)	LA County Public Works
07/15	CE689297	Wide Load Permit (Unit #28001)	LA County Public Works
09/30	7631	Business License	Lake Elsinore, City of
12/31	990435	Business License	Livermore, City of
09/22	BU97038050	Business License	Long Beach, City of
[illegible]	361776	Business License	Los Angeles, City of
[illegible]	171100-49	Fire Permit	Los Angeles, City of
02/28	OP-990779	Overload Permit (Unit #28001)	Los Angeles, City of
01/28	OP-990780	Overload Permit (Unit #28004)	Los Angeles, City of
02/28	OP-990782	Overload Permit (Unit #28003)	Los Angeles, City of
02/28	OP-990781	Overload Permit (Unit #29001)	Los Angeles, City of
2/28	OP-990783	Overload Permit (Unit #28005)	Los Angeles, City of
2/31	M99-16514	MIN Assignment No	Michican Public Service Comm.
4/16	H-2162	Transport. Permit	MO Dept of Natural Resources
5/30	ECII	SCAC (Std Carrier Alpha Code)	Nat'l Motor Freight Traffic Assoc.
d/xx	013930800	Business License	Nevada, Dept of Taxation
2/31	UPM-197051-NV	Haz. Mat'l Uniform Program Credential	Nevada Highway Patrol
9/29	801696	Haz. Mat'l Transportation Permit	NM Tax & Revenue Dept
/xx	205473	Oregon PUC	Oregon, State of
/31	13962	Business License	Palmdale, City of
/31	99002548	Privilege License	Phoenix, City of
	LT2031	Long Term Permit	Phoenix Water Service
/30	300249	Business License	Redondo Beach, City of
xx	31716	Certificate of Occupancy	San Buenaventura, City of
/31	98002653	Busines License	San Diego, City of
	317133	Business License	San Francisco, City of

ECI /// PERMITS

EXP DATE	PERMIT #	PERMIT NAME	AGENCY
9/12/31	0175779	Business License	Santa Ana, City of
9/12/01	ECOL-208460000	Business License	Santa Fe Springs, City of
9/10/06	09996	Business License	Seal Beach, City of
9/10/31	110146	Soil Mitigation	So Coast AQMD
9/12/31	1999#3	Business License	South Gate, City of
9/12/31	056724	Privilege Tax License	Tempe, City of
9/12/31	081083	Business License (Scrap Dir/Recycl/Haz. Waste)	Torrance, City of
d/xx/xx	CAD982030173	EPA ID # (Transp. & PCB'S)	US EPA, Region 9
d/xx/xx	CAD009585803	EPA ID # (Generator - 18500 Normandie, Torrance)	US EPA, Region 9
d/xx/xx	CAR000041202	EPA ID # (Generator - 13736 Slover, Fontana)	US EPA, Region 9
d/xx/xx	CAR000041558	EPA ID # (Generator - 2055 N Ventura Bl, Ventura)	US EPA, Region 9
)/06/30	082999-851-055G	Haz. Mat'l. Cert. of Regist.	US Dept of Transportation
/xx/xx	197051	US DOT Number	US Dept of Transportation
1/07/01	99-307186-5501	Contractor License (David Lennon)	Utah, State Dept of Commerce
1/08/31	014	Wastewater Discharge Permit (255 Parr, Richmond)	West County Wastewater Dist.

State of California

Contractors State License Board

Pursuant to Chapter 9 of Division 3 of the Business and Professions Code
and the Rules and Regulations of the Contractors State License Board,
the Registrar of Contractors does hereby issue this license to:

ECOLOGY CONTROL INDUSTRIES INC

to engage in the business or act in the capacity of a contractor
in the following classification(s):

A - GENERAL ENGINEERING CONTRACTOR
B - GENERAL BUILDING CONTRACTOR
C36 - PLUMBING

Witness my hand and seal this day,

October 22, 1997

Issued October 21, 1997

Signature of Licensee

Signature of License Qualifier

C. Lance Barnett, Ph.D.
Registrar of Contractors

741611

License Number

This license is the property of the Registrar of Contractors, is not transferrable, and shall be returned to the Registrar upon demand when suspended, revoked, or invalidated for any reason. It becomes void if not renewed.

131-24 (REV. 4-93) 81 82877

Consumer Affairs

State of California
CONTRACTORS STATE LICENSE BOARD
ACTIVE LICENSE

License Number 741611 Entity CORP

Business Name ECOLOGY CONTROL INDUSTRIES INC

Classifications(s) A B C36 HAZ C21

Expiration Date 10/31/1999

THIS BOND SHALL BE FILED WITH THE REGISTRAR OF CONTRACTORS

SURETY CODE [redacted] G51

BOND NO. SA 5015741

LICENSE NO. 596908

STATE OF CALIFORNIA
CONTRACTORS STATE LICENSE BOARD

CONTRACTOR'S BOND

Sections 7071.5-7071.11, Business and Professions Code

The premium on this bond is $ 120.00 for the term 2 years.

KNOW ALL MEN BY THESE PRESENTS:

That Ronald Jay Flury (Name Shown On Application Or License) whose address for service is 20846 Normandie Avenue, Torrance, CA 90502 (Street Address) (City) (State) (ZIP Code), as Principal, and Star Insurance Company, a corporation organized under the laws of Michigan, and authorized to transact a general surety business in the State of California, as Surety, are held and firmly bound unto the State of California in the penal sum of Seven Thousand, Five Hundred and NO/100 Dollars ($ $7,500.00) for the payment of which well and truly to be made we bind ourselves, our heirs, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, The provisions of Sections 7071.6 and 7071.3, Business and Professions Code, require that the Principal file or have on file with the Registrar a bond issued by an admitted surety in the sum of $ $7,500.00 and this bond is executed and tendered in accordance therewith.

NOW THEREFORE, The conditions of the foregoing obligation are that if the Principal shall comply with and be subject to the provisions of Division 3, Chapter 9, (commencing with Section 7000) of the Business and Professions Code, then this obligation shall be null and void; otherwise to remain in full force and effect.

PROVIDED HOWEVER, This bond is issued subject to the following express conditions:

1. This bond may be cancelled by the Surety in accordance with the provisions of Sections 996.310 et seq. of the Code of Civil Procedure.

2. This bond shall be deemed continuous in form and shall remain in full force and effect and shall run concurrently with the license period for which license is granted and each and every succeeding license period or periods for which said Principal may be licensed, after which liability hereunder shall cease except as to any liability or indebtedness therefore incurred or accrued hereunder.

3. The conditions of the bond are set forth in Sections 7071.5 and 7071.11, Business and Professions Code and any person claiming against said bond may bring action in a proper court on this bond for the amount of the damage he may suffer as the result of such acts or omissions by the Principal, except that such action must be brought within two (2) years after the expiration of the license period during which the act or omission occurred, except provided further that a claim for fringe benefits shall be brought within six (6) months after the date the fringe benefit delinquencies were discovered, and any civil action thereon shall be filed within two (2) years after the date the fringe benefit contributions were due.

4. The aggregate liability of Surety on claims for wages and fringe benefits other than on a bond required by Section 7071.3 shall not exceed the sum of Four Thousand Dollars ($4,000.00). The aggregate liability of the Surety hereunder on all claims whatsoever shall not exceed the penal sum of this bond in any event.

5. Damages for failure to pay fringe benefits to an express trust fund established pursuant to a collective-bargaining agreement shall be limited to actual loss sustained by the trust fund due to Principal's failure to pay such fringe benefits.

6. Any employee of Principal who is damaged by Principal's failure to pay fringe benefits, who is not represented by a Union, may bring an action at law on his own behalf to recover such fringe benefits.

7. This bond is executed by the Surety to comply with the provisions of Division 3, Chapter 9, (commencing with Section 7000) of the Business and Professions Code and of Chapter 2, Title 14, Part 2 (commencing with Section 996.010) of the Code of Civil Procedure and said bond shall be subject to all of the terms and provisions thereof.

8. This bond to become effective July 18, 1996.

Star Insurance Company
1575 Delucchi Lane, Suite 207
Reno, NV 89502

I certify (or declare) under penalty of perjury under the laws of the State of California that I have executed the foregoing bond under an unrevoked power of attorney.

Executed in San Marcos, California (City and State) on 7/8/96 (Date), under the laws of the State of California.

STAR INSURANCE COMPANY CORPORATE SEAL MICHIGAN

BY: Laura L. Smith
LAURA L. SMITH
ATTORNEY IN FACT

(Waiting for renewal)

APPROVED BY THE ATTORNEY GENERAL DECEMBER 16, 1993
28-1 (REV. 12-93)

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
REGION NINE
OFFICE OF MOTOR CARRIER SAFETY
SACRAMENTO, CALIFORNIA 95812-1915
(916) 551-1300

ARIZONA
CALIFORNIA
NEVADA
HAWAII
GUAM
AMERICAN SAMOA

June 15, 1989

IN REPLY REFER TO
HMC-CA

ECOLOGY CONTROL
2055 N. VENTURA AVE
VENTURA, CALIFORNIA 93003

Dear Motor Carrier:

On May 19, 1988, a revised Part 390 of the Federal Motor Carrier Safety Regulations was published in the Federal Register (53 FR 18042). The regulation went into effect November 15, 1988.

This letter is to draw your attention to one of the provisions of this revised regulation. That is the requirement for Marking of Motor Vehicles (49 CFR 390.21). The primary purpose of this provision is to assist in properly identifying motor carriers, thereby assuring the submission of accurate data to the Federal Highway Administration (FHWA).

If you are operating as a private motor carrier of property in interstate commerce of as an interstate carrier of migrant workers, this new regulation requires you to mark all of your "self-propelled motor vehicles" (generally straight trucks and truck tractors).

The Following U.S. DOT Identification Number that is assigned from our Washington office to the carrier shown above:

U.S. DOT 197051

This letter is being sent to every known motor carrier in the FHWA records. There has been no attempt to differentiate among private, migrant worker, for-hire, or other types of carriers because many carriers conduct operations in a combination of these classifications. If you have any question about compliance with sec 390.21, please contact the office shown below:

FHWA OFFICE OF MOTOR CARRIER SAFETY
P.O. BOX 1915
SACRAMENTO, CALIFORNIA 95812-1915
(916) 551-1300

Form **W-9**
(Rev. December 1996)
Department of the Treasury
Internal Revenue Service

Request for Taxpayer Identification Number and Certification

Give form to the requester. Do NOT send to the IRS.

Please print or type

Name (If a joint account or you changed your name, see Specific Instructions on page 2.)
Ecology Control Industries

Business name, if different from above. (See Specific Instructions on page 2.)
20846 S. Normandie Avenue

Check appropriate box: ☐ Individual/Sole proprietor ☒ Corporation ☐ Partnership ☐ Other ▶

Address (number, street, and apt. or suite no.)

Requester's name and address (optional)

City, state, and ZIP code
Torrance, CA 90502

List account number(s) here (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. For individuals, this is your social security number (SSN). However, if you are a resident alien OR a sole proprietor, see the instructions on page 2. For other entities, it is your employer identification number (EIN). If you do not have a number, see How To Get a TIN on page 2.

Note: *If the account is in more than one name, see the chart on page 2 for guidelines on whose number to enter.*

Social security number

OR

Employer identification number
77-0217403

Part II For Payees Exempt From Backup Withholding (See the instructions on page 2.)

▶

Part III Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding.

Certification Instructions.—You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the Certification, but you must provide your correct TIN. (See the instructions on page 2.)

Sign Here Signature ▶ [signature] Date ▶ 8/25/99

Purpose of Form.—A person who is required to file an information return with the IRS must get your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 to give your correct TIN to the person requesting it (the requester) and, when applicable, to:

1. Certify the TIN you are giving is correct (or you are waiting for a number to be issued),

2. Certify you are not subject to backup withholding, or

3. Claim exemption from backup withholding if you are an exempt payee.

Note: *If a requester gives you a form other than a W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.*

What Is Backup Withholding?—Persons making certain payments to you must withhold and pay to the IRS 31% of such payments under certain conditions. This is called "backup withholding." Payments that may be subject to backup withholding include interest, dividends, broker and barter exchange transactions, rents, royalties, nonemployee pay, and certain payments from fishing boat operators. Real estate transactions are not subject to backup withholding.

If you give the requester your correct TIN, make the proper certifications, and report all your taxable interest and dividends on your tax return, payments you receive will not be subject to backup withholding. Payments you receive will be subject to backup withholding if:

1. You do not furnish your TIN to the requester, or

2. The IRS tells the requester that you furnished an incorrect TIN, or

3. The IRS tells you that you are subject to backup withholding because you did not report all your interest and dividends on your tax return (for reportable interest and dividends only), or

4. You do not certify to the requester that you are not subject to backup withholding under 3 above (for reportable interest and dividend accounts opened after 1983 only), or

5. You do not certify your TIN when required. See the Part III instructions on page 2 for details.

Certain payees and payments are exempt from backup withholding. See the Part II instructions and the separate **Instructions for the Requester of Form W-9.**

Penalties

Failure To Furnish TIN.—If you fail to furnish your correct TIN to a requester, you are subject to a penalty of $50 for each such failure unless your failure is due to reasonable cause and not to willful neglect.

Civil Penalty for False Information With Respect to Withholding.—If you make a false statement with no reasonable basis that results in no backup withholding, you are subject to a $500 penalty.

Criminal Penalty for Falsifying Information.— Willfully falsifying certifications or affirmations may subject you to criminal penalties including fines and/or imprisonment.

Misuse of TINs.—If the requester discloses or uses TINs in violation of Federal law, the requester may be subject to civil and criminal penalties.

United States Environmental Protection Agency
Region 9
75 Hawthorne Street, (WST-6)
San Francisco, CA 94105

August 26, 1997

David Lennon
Environmental Manager
Ecology Control Industries
20846 S Normandie Ave
Torrance, CA 90502

The US Environmental Protection Agency (EPA) has updated the information for your installation under the EPA Identification (ID) Number already assigned to your location (see below). EPA has updated the information according to your Notification of Regulated Activity Form (Form 8700-12) that was received August 20, 1997.

By submitting the Form 8700-12, your installation has notified EPA of the Resource Conservation and Recovery Act (RCRA) regulated waste activities shown below in accordance with Section 3010 of RCRA. The EPA ID number for this location is also referred to as a 'RCRA ID number' and is to be used on transport manifests and any other hazardous waste management documents required under Subtitle C of RCRA.

The following RCRA ID Number: CAD982030173
is assigned to: Ecology Control Industries
20846 S Normandie Ave
Torrance, CA 90502

EPA has listed your status as:
Hazardous Waste Transporter

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

LENNON, DAVID
ECOLOGY CONTROL INDUSTRIES
20846 S NORMANDIE AVE.
TORRANCE, CA 90502

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

(7404)
October 20, 1997
6099

Subject: Notification of PCB Activity

Thank you for filing the Notification of PCB Activity form dated September 25, 1997 for the facility location listed below:

ECOLOGY CONTROL INDUSTRIES
20846 S NORMANDIE AVE.
TORRANCE, CA 90502

Please be advised that the EPA Identification Number for the above facility is correctly stated on your form as CAD982030173. This is the number you will use for reporting PCB activity.

If you have any questions regarding the accuracy of the EPA ID number, please call (301) 294-2840. All other questions should be directed to the Fibers & Organics Branch at (202) 260-3933.

Sincerely,

Tony Baney

Tony Baney, Chief
Fibers & Organics Branch

Recycled/Recyclable • Printed with Vegetable Oil Based Inks on 100% Recycled Paper (40% Postconsumer)

MOTOR CARRIER PERMIT

DMV
A Public Service Agency

DEPARTMENT OF MOTOR VEHICLES Motor Carrier Permit Branch P.O. Box 932370 Sacramento, CA 94232-3700	**EFFECTIVE:** 11/01/1998	**EXPIRES:** 10/31/1999	
	CA#: 0000293		

ECOLOGY CONTROL INDUSTRIES
20846 NORMANDIE AVE
TORRANCE CA 90502

THE CARRIER NAMED ON THIS PERMIT, HAVING MADE WRITTEN APPLICATION TO THE DEPARTMENT OF MOTOR VEHICLES FOR A PERMIT TO OPERATE AS A MOTOR CARRIER OF PROPERTY AS DEFINED IN VEHICLE CODE SECTION 34601, AND HAVING MET THE REQUIREMENTS AND PAID THE APPROPRIATE FEES, IS GRANTED A PERMIT OF THE FOLLOWING CLASSIFICATION:

FOR HIRE

Pmt Date:	10/27/1998	Office #:	154
Account #:		Tech ID:	CH
Sequence #:	0021	Amt Paid:	$1618.50

Department of Toxic Substances Control

Jesse R. Huff, Director
400 P Street, 4th Floor, P.O. Box 806
Sacramento, California 95812-0806

ray Davis
overnor

Winston H. Hickox
Secretary for
Environmental
Protection

HAZARDOUS WASTE TRANSPORTER REGISTRATION

NAME AND ADDRESS OF REGISTERED TRANSPORTER:

Ecology Control Industries, Inc.
19500 Normandie Avenue
Torrance, California 90502

TRANSPORTER REGISTRATION NO: 1533

EXPIRATION DATE: March 21, 2000

THIS IS TO CERTIFY THAT THE FIRM NAMED ABOVE IS DULY REGISTERED TO TRANSPORT HAZARDOUS WASTE IN THE STATE OF CALIFORNIA IN ACCORDANCE WITH THE PROVISIONS OF CHAPTER 6.5, DIVISION 20 OF THE HEALTH AND SAFETY CODE AND DIVISION 4.5, TITLE 22 OF THE CALIFORNIA CODE OF REGULATIONS.

THIS REGISTRATION CERTIFICATE MUST BE CARRIED WITH EACH SHIPMENT OF HAZARDOUS WASTE.

FOR REGISTRATION INFORMATION, PLEASE CONTACT MS. TARI PATTERSON AT (916) 323-3219.

(AUTHORIZED SIGNATURE)

MAR 0 5 1999

(DATE)

STATE OF CALIFORNIA
DEPARTMENT OF CALIFORNIA HIGHWAY PATROL

HAZARDOUS MATERIALS TRANSPORTATION LICENSE

CHP 360H (6-97) OPI 062

CONTROL NUMBER	LICENSE NUMBER	ISSUE DATE	EFFECTIVE DATE	EXPIRATION DATE
135173	51250	1/19/99		2/29/2000

CHP CARRIER NUMBER	LOCATION		
CA- 293		☐ Duplicate	☐ Replacement
		☐ Initial	☑ Renewal

LICENSEE NAME AND PHYSICAL ADDRESS *(only if different from below)*

Ecology Control Industries, Inc.

LICENSEE NAME AND MAILING ADDRESS

Ecology Control Industries, Inc.

19500 Normandie Avenue
Torrance CA 90502
ATTENTION: Earl R. Cooley

PROPERTY OF THE CALIFORNIA HIGHWAY PATROL (CHP)

The original valid license must be kept at the licensee's place of business as indicated on the license and a legible copy must be carried in any vehicle or combination transporting hazardous materials and must be presented to any traffic officer upon request. This license is NON-TRANSFERABLE and must be surrendered to the CHP upon demand or as required by law. Any change in ownership or control of the licensed activity shall require a new license. This license may be renewed by submitting an application and appropriate fee to the CHP. Persons whose licenses have expired or are otherwise no longer valid must immediately cease the activity requiring a license. THERE IS NO GRACE PERIOD FOR A LICENSED ACTIVITY. For license information contact CHP, Commercial Vehicle Section at (916) 327-3310.

This carrier is on the special routing/safe stopping place mailing lists as indicated below:

☐ (HMX) Explosives subject to Division 14, California Vehicle Code (CVC).

☐ (HMPIH) Poison Inhalation Hazard materials in bulk packagings subject to Division 14.3, CVC.

☐ (HRCQ) Highway Route Controlled Quanity radioactive materials subject to Division 14.5, CVC.

Any person who dumps, spills, or causes the release of hazardous materials or hazardous waste upon any highway shall immediately notify the CHP or the agency having jurisdiction for that highway. The minimum fine for failure to make the appropriate notification is $ 2,000.00. (CVC Section 23112.5)

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION
RESEARCH AND SPECIAL PROGRAMS ADMINISTRATION

HAZARDOUS MATERIALS CERTIFICATE OF REGISTRATION FOR REGISTRATION YEAR 1999-2000

Registrant:

ECOLOGY CONTROL INDUSTRIES
Attn: EARL R. COOLEY
19500 NORMANDIE AVENUE
TORRANCE, CA 90502-0000
USA

This certifies that the registrant is registered with the U. S. Department of Transportation as required by 49 CFR Part 107, Subpart G.

This certificate is issued under the authority of 49 U.S.C. 5108. It is unlawful to alter or falsify this document.

Reg. No: 062999 851 055H Issued: 08/02/99 Expires: 06/30/00

Reissued: 08/04/99

Record keeping Requirements for the Registration Program

The following must be maintained at the principal place of business for a period of three years from the date of issuance of this Certificate of Registration:

(1) A copy of the registration statement filed with RSPA; and
(2) This Certificate of Registration

Each person subject to the registration requirement must furnish that person's Certificate of Registration (or a copy) and all other records and information pertaining to the information contained in the registration statement to an authorized representative or special agent of the U. S. Department of Transportation upon request.

Each motor carrier (private or for-hire) and each vessel operator subject to the registration requirement must keep a copy of the current Certificate of Registration or another document bearing the registration number identified as the "U.S. DOT Hazmat Reg. No." in each truck and truck tractor or vessel (trailers and semi-trailers not included) used to transport hazardous materials subject to the registration requirement. The Certificate of Registration or document bearing the registration number must be made available, upon request, to enforcement personnel.

For information, contact the Hazardous Materials Registration Manager, DHM-60 Research and Special Programs Administration, U.S. Department of Transportation, 400 Seventh Street, SW, Washington, DC 20590, telephone (202) 366-4109.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

LENNON, DAVID
ECOLOGY CONTROL INDUSTRIES
20846 S NORMANDIE AVE.
TORRANCE, CA 90502

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

(7404)
October 20, 1997
6099

Subject: Notification of PCB Activity

Thank you for filing the Notification of PCB Activity form dated September 25, 1997 for the facility location listed below:

ECOLOGY CONTROL INDUSTRIES
20846 S NORMANDIE AVE.
TORRANCE, CA 90502

Please be advised that the EPA Identification Number for the above facility is correctly stated on your form as CAD982030173. This is the number you will use for reporting PCB activity.

If you have any questions regarding the accuracy of the EPA ID number, please call (301) 294-2840. All other questions should be directed to the Fibers & Organics Branch at (202) 260-3933.

Sincerely,

Tony Baney

Tony Baney, Chief
Fibers & Organics Branch

Recycled/Recyclable • Printed with Vegetable Oil Based Inks on 100% Recycled Paper (40% Postconsumer)

DEPARTMENT OF CALIFORNIA HIGHWAY PATROL
ENFORCEMENT SERVICES DIVISION
PO BOX 898
SACRAMENTO, CA 95804

JANUARY 16, 1986

ECOLOGY CONTROL INC
2567 N VENTURA AVE
VENTURA CA 93001

Heather 1/21/86 per Phyllis Taylor CHP (916) 445-6211

ASSIGNMENT OF CHP CARRIER NUMBER CA 293

~~ECOLOGY CONTROL INC~~
HAS BEEN ASSIGNED CARRIER NUMBER CA 293 IN THE CALIFORNIA HIGHWAY PATROL'S MANAGEMENT INFORMATION SYSTEM OF TERMINAL EVALUATION RECORDS (MISTER).

THIS DATA BASE WILL CONTAIN BASIC CARRIER INFORMATION CONCERNING LICENSES AND OPERATING AUTHORITY, TYPE OF OPERATION, NUMBER(S) AND TYPE(S) OF VEHICLES, COMPANY OWNERSHIP, AND EMERGENCY RESPONSE CONTACT NAMES AND TELEPHONE NUMBERS.

YOU WILL BE ASKED TO UPDATE THIS INFORMATION PERIODICALLY, EITHER DURING MOTOR CARRIER SAFETY INSPECTIONS OR IN CONJUNCTION WITH RENEWAL OF SPECIAL LICENSES OR PERMITS.

YOUR ASSIGNED CHP CARRIER NUMBER, CA 293, MUST BE DISPLAYED ON EACH VEHICLE (OR ON ONE VEHICLE IN EACH COMBINATION), UNLESS A PUBLIC UTILITIES COMMISSION (PUC) OR INTERSTATE COMMERCE COMMISSION (ICC) AUTHORITY NUMBER IS DISPLAYED. (REFERENCE: TITLE 13, CALIFORNIA ADMINISTRATIVE CODE, SECTION 1256.)

EXAMPLES OF PROPER DISPLAY:

	CA 293	(CHP #)
OR		
	CAL-T-000000	(PUC #)
OR		
	ICC MC 000000	(ICC #)

IF YOU HAVE ANY QUESTIONS REGARDING THE SYSTEM, YOUR ASSIGNED CARRIER NUMBER, OR THE REQUIREMENT TO DISPLAY THE NUMBER, PLEASE CONTACT ANY CALIFORNIA HIGHWAY PATROL OFFICE FOR THE TELEPHONE NUMBER OF THE MOTOR CARRIER SAFETY UNIT IN YOUR AREA.

THANK YOU FOR YOUR COOPERATION.

E OF CALIFORNIA
tment of California Highway Patrol

SAFETY COMPLIANCE REPORT/ TERMINAL RECORD UPDATE

CHP 343 (Rev 6-96)

☐ This report contains CONFIDENTIAL pages

Page 1 of pages

TERMINAL INFORMATION CHANGED: ☒ Yes ☐ No

TELEPHONE NUMBER (include area code) 310-354-9999

Date of Last Meter Update: 362 ☒ 10/24/98; 343 ☒ 5/5/98

Terminal Address (number, street, city, zip code): 20846 NORMANDIE, TORRANCE 90502

TERMINAL Mailing Address (Number, Street, City, State, Zip Code)(If Different than Street Address): 19500 NORMANDIE, TORRANCE 90502

County Code Number: 19

LICENSE AND FLEET INFORMATION

HM License No. 51250	HWT License No. 1533	IMS License No.	LOCATION CODE 530	SUBAREA D05	STATUS ☒ Active ☐ Inactive
Exp. Date 2/29/00	Exp. Date 3/31/00	Exp. Date			

TRUCKS & TYPES		TRAILERS & TYPES		BUSES by TYPE		REG. CT.	HW. VEH.	HW. CONT.	DRIVERS
60	XT S	85	TF S	I-	II-				58

EMERGENCY CONTACTS (In Calling Order of Preference)

EMERGENCY CONTACT (name)	DAY PHONE NUMBER (Incl. Area code)	NIGHT PHONE NUMBER (Incl. Area code)
24 HOUR DISPATCH	310-320-2655	310-320-2655
EMERGENCY CONTACT (name)	DAY PHONE NUMBER (Incl. Area code) - -	NIGHT PHONE NUMBER (Incl. Area code) - -

ESTIMATED TERMINAL MILEAGE WITHIN CALIFORNIA DURING THE LAST YEAR

YEAR 1998

F. 1,800,001 - 2,000,000

OPERATING AUTHORITIES

CALIFORNIA PUC NUMBERS: T- PSG ☐ TCP ☐ PSC; T- PSG ☐ TCP ☐ PSC; T- PSG ☐ TCP ☐ PSC

ICC NUMBERS: ☐ MC ☐ MX; ☐ MC ☐ MX

DOT NUMBER:

Inspection Date: 04/05/99

REASON FOR INSPECTION: REINSPECTION OF CONDITIONAL RATED TERMINAL

INSPECTION CATEGORY:

TERMINAL NAME: ECOLOGY CONTROL INDUSTRIES, INC.

INSPECTION FINDINGS (number of violations)

...nance Program	Drivers Records	Drivers Hours 2	Brakes	Lamps/Signals
Connecting Devices	Steering & Suspension	Tires & Wheels	Equipment Requirements	Containers/Tanks
Hazardous Materials	☐ No HM Transported ☒ No HM Transported		Vehicles Placed Out of Service	

INSPECTION RATINGS: S=Satisfactory U=Unsatisfactory C=Conditional UR=Unrated N/A= Not applicable

Maintenance Program	Driver Program	Regulated Equipment	Hazardous Materials	Terminal
1.S 2.S 3.S 4.S	1.S 2.U 3.C 4.S	1.S 2.S 3.S 4.S	1.S 2.S 3.S 4.S	1.S 2.U 3.C 4.S
Number Time	Number 29 Time 6	Number Time	Time	Time In 700 / Time Out 1300

CONTAINERS/TANKS	VAPOR RECOVERY SYS.	BIT	Non-BIT	Fees Due	CHP345 Issued	CHP1000 Column No.	Carrier Type	Code
Number Time	Number Time	☐ I ☒ R	☐	☐ Yes ☒ No	☐		TRUCK	W

INSPECTION LOCATION (number, street, city or county): 19500 NORMANDIE, TORRANCE 90502

INSPECTED BY (name): LARRY C. HAYES / Gary Bolewer

I.D. NUMBER: A8265 A9116

SUSPENSE DATE: ☒ Auto ☐ None

Carrier I.D. Numbers: CA 283 FCN 25171

MOTOR CARRIER CERTIFICATION

I hereby certify that all violations recorded on the attached pages (2 through), will be corrected in accordance with applicable provisions of the California Vehicle Code and the California Code of Regulations. I understand that I may request a review of an unsatisfactory rating by contacting the Motor Carrier Safety Unit Supervisor at 213-864-1108 within 5 calendar days of rating.

CURRENT TERMINAL RATING	CARRIER REPRESENTATIVES SIGNATURE	DATE
SATISFACTORY	Earl R Cooley	2/5/99

CARRIER REPRESENTATIVE PRINTED NAME	TITLE	CA DRIVERS LICENSE NUMBER
Earl R Cooley	Comp. Mgr.	A3099477

COPY

STATE OF CALIFORNIA - STATE AND CONSUMER SERVICES AGENCY

PETE WILSON, GOVERNOR

STATE OF CALIFORNIA
DEPARTMENT OF
Consumer Affairs

CONTRACTORS STATE LICENSE BOARD

9835 GOETHE ROAD, SACRAMENTO, CALIFORNIA
MAILING ADDRESS: P.O. BOX 26000
SACRAMENTO, CA 95826
(916) 255-3900 or 1-800-321-2752

DATE: 02/18/1998

TO: ECOLOGY CONTROL INDUSTRIES INC
20846 NORMANDIE AVENUE
TORRANCE, CA 90502

LICENSE: 741611

DEAR LICENSEE:

The A GENERAL ENGINEERING CONTRACTOR classification has been approved and added to license number 741611 effective February 18, 1998 with NABIL WAHBEH as the qualifier.

If you have any questions please contact us at the above address or telephone number.

RME/O Unit

CONSUMER SERVICES AGENCY 2/10/98 CC: Geri Goucker No. 6890 P. 7 ON. GOVERNOR

Caroline (Ron Flory)

STATE OF CALIFORNIA
DEPARTMENT OF
Consumer Affairs

CONTRACTORS STATE LICENSE BOARD

9835 GOETHE ROAD, SACRAMENTO, CALIFORNIA
MAILING ADDRESS: P.O. BOX 26000
SACRAMENTO, CA 95826
1-800-321-2752

TO: ECOLOGY CONTROL INDUSTRIES INC
20846 NORMANDIE AVENUE
TORRANCE, CA 90502

DATE: 02/06/1998

APP FEE #: 97 02 03576

Subject: Application for Additional Classification

Dear Applicant:

We received your application for an additional classification on February 04, 1998. Once you get the new classification, we hope you have a prosperous business for many years.

You can check on the progress of your application at almost any time. To do that, we have an automated telephone system that will tell you the status of your application from any touch tone telephone. You can check on your application from 6:00 am to 10:00 pm during the week and 6:00 am to 4:00 pm on weekends or holidays. To check on your application, please follow these steps:

1. Dial 1-800-321-2752.
2. When the recording answers, don't wait for the message to play, just press 6.
3. When the recording asks you to enter your Application Fee Number, press 970203576.
4. When the recording asks you to enter your PIN number, press 7191.

The automated system will check the Application Fee Number and the PIN number to make sure you have entered them correctly. If they do not match, you will be asked to repeat them both. If they match, the system will give you the status of your application. Other information is available if you wish to listen to the menus that follow.

This PIN number is for **your use only**. Do not give your PIN number to anyone. This is a completely automated system, no personal assistance will be available on this system. If your PIN number is lost or stolen, please contact the Board's Call Center at (916) 255-3900.

We hope this system will help you keep track of the progress of your application.

STATE OF CALIFORNIA
DEPARTMENT OF
Consumer Affairs

CONTRACTORS STATE LICENSE BOARD

9835 GOETHE ROAD, SACRAMENTO, CALIFORNIA
MAILING ADDRESS: P.O. BOX 26000
SACRAMENTO, CA 95826
(916) 255-3900 or 1-800-321-2752

TO: ECOLOGY CONTROL INDUSTRIES INC
20846 NORMANDIE AVENUE
TORRANCE, CA 90502

DATE: 12/24/1997

LICENSE: 741611

DEAR LICENSEE:

JOHN EDWARD FERNANDEZ JR was approved as the RESPONSIBLE MANAGING EMPLOYEE for the HAZ HAZARDOUS SUBSTANCES REMOVAL classification on December 24, 1997.

If you have any questions please contact us at the above address or telephone number.

RME/O Unit

STATE OF CALIFORNIA
DEPARTMENT OF
Consumer Affairs

CONTRACTORS STATE LICENSE BOARD

9835 GOETHE ROAD, SACRAMENTO, CALIFORNIA
MAILING ADDRESS: P.O. BOX 26000
SACRAMENTO, CA 95826
(916) 255-3900 or 1-800-321-2752

TO: ECOLOGY CONTROL INDUSTRIES INC
20846 NORMANDIE AVENUE
TORRANCE, CA 90502

DATE: 01/21/1998

LICENSE: 741611

DEAR LICENSEE:

The C21 BUILDING MOVING, DEMOLITION classification has been approved and added to license number 741611 effective January 15, 1998 with JOHN EDWARD FERNANDEZ JR as the qualifier.

If you have any questions please contact us at the above address or telephone number.

RME/O Unit

STATE OF CALIFORNIA
STATE AND CONSUMER SERVICES AGENCY CONTRACTORS STATE LICENSE BOARD

Consumer Affairs

Building Quality

HAZARDOUS SUBSTANCES REMOVAL AND REMEDIAL ACTIONS CERTIFICATION

Pursuant to the provisions of Section 7058.7 of the Business and Professions Code, the Registrar of Contractors does hereby certify that the following qualifying person has successfully completed the hazardous substances removal and remedial actions examination.

[redacted]

[redacted]ualifier: JOHN E. FERNANDEZ

License No.: 741611

Business Name: ECOLOGY CONTROL INDUSTRIES INC

DEPARTMENT OF CONSUMER AFFAIRS
REGISTRAR OF CONTRACTORS
STATE OF CALIFORNIA

WITNESS my hand and official seal this
day of DECEMBER 24, 1997

Registrar of Contractors

131-36 (4/96)

This certification is the property of the Registrar of Contractors, is not transferable, and shall be returned to the Registrar upon demand when suspended, revoked, or invalidated for any reason.

A- 7453

STATE OF CALIFORNIA DEPARTMENT OF Consumer Affairs

CONTRACTORS STATE LICENSE BOARD

9835 GOETHE ROAD, SACRAMENTO, CALIFORNIA
MAILING ADDRESS: P.O. BOX 26000
SACRAMENTO, CA 95826
(916) 255-3900 or 1-800-321-2752

TO: ECOLOGY CONTROL INDUSTRIES INC
20846 NORMANDIE AVENUE
TORRANCE, CA 90502

DATE: 02/17/1998

LICENSE: 741611

Subject: Section 7057 of the Business and Professions Code
Definition of a B - General Building Contractor

New legislation (SB 857, Chapter 812, Polanco) has been enacted which changes the definition of what a 'B' contractor can do effective January 1, 1998. This came out as a result of the California Appellate Court decision in Home Depot v. CSLB (1 Cal. App. 4th 1592) which invalidated the Contractors Board Rule that limited 'B' contractors to projects that included at least three unrelated trades (except for framing and carpentry).

The new Section 7057 of the Business and Professions Code and an explanation of the new definition of a 'B' contractor are attached.

Any questions you may have regarding this new law should be directed in writing to the License Classification Deputies at the above address.

Sincerely,

C. Lance Barnett

C. Lance Barnett, Ph.D.
Registrar

attachment

cc: Linda Brooks
Licensing Deputy

Explanation of Section 7057 of the Business and Professions Code
Definition of a "B - General Building Contractor"
Effective January 1, 1998

Sub-section (a) describes the broad definition of what a B - General Building Contractor is:

- The main part of his/her business is to do or supervise all or any part of a project in connection with a structure that shelters people, animals or property and requires at least two unrelated building trades.

Sub-section (b) describes specifically the prime contracts or subcontracts a General Building Contractor may take:

- Can take any prime contract or subcontract for a framing or carpentry project; or,

- Can take any prime contract or subcontract that requires at least two unrelated building trades other than framing or carpentry (cannot count framing or carpentry as one of the two unrelated building trades); or,

- Can take any prime contract or subcontract for any specialty project (even if less than two trades) for which the general building contractor also holds the required specialty classification; or,

- Can take any prime contract for any specialty project (even if less than two trades), if the general building contractor subcontracts with a licensed specialty contractor who holds the required specialty classification.

- <u>Cannot</u> take any <u>subcontract</u> (a subcontract is when the B does not have a direct contractual relationship with the owner of property) for any single trade project and then subcontract with a licensed specialty contractor who holds the required specialty classification.

Sub-section (c) prohibits a general building contractor from taking a contract for any project that includes work under either a C-16 (Fire Protection) or C-57 (Well Drilling) classification unless the general building contractor holds the appropriate specialty classification or subcontracts with an appropriately licensed specialty contractor.

ACORD CERTIFICATE OF LIABILITY INSURANCE

OP ID EV
ECOCD01

DATE (MM/DD/YY) 04/29/99

PRODUCER

Lockton Insurance Brokers, Inc
725 S. Figueroa St., 35th Fl.
Los Angeles CA 90017

Phone No. 213-689-0065 Fax No. 213-689-0550

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

COMPANIES AFFORDING COVERAGE

COMPANY A	American Int'l Specialty Lines
COMPANY B	Commerce & Industry
COMPANY C	National Union Fire
COMPANY D	

INSURED

Ecology Control Industries
Attn: Ron Flury
19500 Normandie Avenue
Torrance CA 90502

COVERAGES

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED, NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
A	GENERAL LIABILITY [X] COMMERCIAL GENERAL LIABILITY [ ] CLAIMS MADE [X] OCCUR [ ] OWNER'S & CONTRACTOR'S PROT [X] Asbestos/Lead/ [X] Incl. Pollution	267 0730	04/30/99	04/30/00	GENERAL AGGREGATE	$1,000,000
					PRODUCTS - COMP/OP AGG	$1,000,000
					PERSONAL & ADV INJURY	$1,000,000
					EACH OCCURRENCE	$1,000,000
					FIRE DAMAGE (Any one fire)	$ 50,000
					MED EXP (Any one person)	$ 5,000
B	AUTOMOBILE LIABILITY [X] ANY AUTO [ ] ALL OWNED AUTOS [ ] SCHEDULED AUTOS [X] HIRED AUTOS [X] NON-OWNED AUTOS [X] Comp/Collision [X] MCS 90 End.	CA 766-6340	04/30/99	04/30/00	COMBINED SINGLE LIMIT	$1,000,000
					BODILY INJURY (Per person)	$
					BODILY INJURY (Per accident)	$
					PROPERTY DAMAGE	$
	GARAGE LIABILITY [ ] ANY AUTO				AUTO ONLY - EA ACCIDENT	$
					OTHER THAN AUTO ONLY:	
					EACH ACCIDENT	$
					AGGREGATE	$
A	EXCESS LIABILITY [X] UMBRELLA FORM [ ] OTHER THAN UMBRELLA FORM	819 97 97	04/30/99	04/30/00	EACH OCCURRENCE	$10,000,000
					AGGREGATE	$10,000,000
					SIR	$ 10,000
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY THE PROPRIETOR/ PARTNERS/EXECUTIVE OFFICERS ARE: [ ] INCL [ ] EXCL	WC 7205411 (CA) WC 720-5587 (AOS)	12/09/98	12/09/99	[X] WC STATUTORY LIMITS [ ] OTHER	
					EL EACH ACCIDENT	$1,000,000
					EL DISEASE - POLICY LIMIT	$1,000,000
					EL DISEASE - EA EMPLOYEE	$1,000,000
	OTHER					

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS

CERTIFICATE HOLDER

MASTER1

MASTER CERTIFICATE

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

ACORD 25-S (1/95) ACORD CORPORATION 1988

PRODUCER

LIS CANADA (1999) INC.
KING STREET WEST, SUITE 1200
ONTO, ONT. M5H 1J8 CANADA
ATTN: JUDY HULCOOP

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

COMPANIES AFFORDING COVERAGE

COMPANY A	COMMERCE & INDUSTRY INSURANCE COMPANY
COMPANY B	RELIANCE NATIONAL INDEMNITY COMPANY
COMPANY C	AMERICAN INTERNATIONAL SPECIALTY LINES CO.
COMPANY D	

INSURED
RHO-CHEM CORPORATION
A WHOLLY OWNED SUBSIDIARY OF PHILIP SERVICES CORP
425 ISIS AVENUE
INGLEWOOD, CA
90301
ATTN: JEFF MCCLURE FX-310-645-6379

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED, NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
A	GENERAL LIABILITY COMMERCIAL GENERAL LIABILITY [X] CLAIMS MADE [X] OCCUR OWNER'S & CONTRACTOR'S PROT	GL1525551	10/31/98	10/31/99	GENERAL AGGREGATE	$ 2,000,000
					PRODUCTS - COMP/OP AGG	$ 1,000,000
					PERSONAL & ADV INJURY	$ 1,000,000
					EACH OCCURRENCE	$ 1,000,000
					FIRE DAMAGE (Any one fire)	$ 1,000,000
					MED EXP (Any one person)	$ 10,000
A	AUTOMOBILE LIABILITY [X] ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS [X] HIRED AUTOS NON-OWNED AUTOS	CA7666205	10/31/98	10/31/99	COMBINED SINGLE LIMIT	$ 1,000,000
					BODILY INJURY (Per person)	$
					BODILY INJURY (Per accident)	$
					PROPERTY DAMAGE	$
	GARAGE LIABILITY ANY AUTO				AUTO ONLY - EA ACCIDENT	$
					OTHER THAN AUTO ONLY	
					EACH ACCIDENT	$
					AGGREGATE	$
A	EXCESS LIABILITY [X] UMBRELLA FORM OTHER THAN UMBRELLA FORM	BE1525552	10/31/98	10/31/99	EACH OCCURRENCE	$ 5,000,000
					AGGREGATE	$ 5,000,000
						$
B	WORKER'S COMPENSATION AND EMPLOYERS' LIABILITY THE PROPRIETOR PARTNERS/EXECUTIVE OFFICERS ARE [ ] INCL [ ] EXCL	NWA0157041-00	06/30/99	06/30/00	[X] WC STATUTORY LIMITS [ ] OTHER	
					EL EACH ACCIDENT	$ 1,000,000
					EL DISEASE - POLICY LIMIT	$ 1,000,000
					EL DISEASE - EA EMPLOYEE	$ 1,000,000
C	OTHER CONTRACTOR'S POLLUTION LIABILITY POLLUTION ERRORS & OMISSIONS LIABILITY	COPS2675472	10/31/98	10/31/99	$5,000,000 PER OCCURRENCE $5,000,000 AGGREGATE	

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS
UNDER THE GENERAL LIABILITY AND AUTOMOBILE LIABILITY POLICIES WAIVER OF SUBROGATION AND ADDITIONAL INSURED EXTENSIONS ARE GRANTED TO THE EXTENT REQUIRED BY WRITTEN CONTRACT BETWEEN THE NAMED INSURED AND THE CERTIFICATE HOLDER
WORKER'S COMPENSATION WAIVER OF SUBROGATION/ALTERNATE EMPLOYER EXTENSIONS ARE GRANTED TO THE EXTENT REQUIRED BY WRITTEN CONTRACT BETWEEN THE NAMED INSURED AND THE CERTIFICATE HOLDER
E BUT ONLY WITH RESPECT TO ANY AND ALL SERVICES PERFORMED BY PHILIP SERVICES CORP., ITS AFFILIATES AND SUBSIDIARIES

UNIVERSITY OF CALIFORNIA SCHOOL SYSTEM
1111 FRANKLIN ST., 10TH FLOOR
OAKLAND, CA
94607
ATTN: TONY BOLLIGER

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE
Judy Hulcoop

WILLIS CANADA (1999) INC.
145 KING ST.WEST SUITE 1200
TORONTO, ONTARIO M5H 1J8 CANADA
ATT: JUDY HULCOOP

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

COMPANIES AFFORDING COVERAGE

COMPANY A	COMMERCE & INDUSTRY INSURANCE COMPANY
COMPANY B	RELIANCE NATIONAL INDEMNITY COMPANY
COMPANY C	AMERICAN INTERNATIONAL SPECIALTY LINES CO.
COMPANY D	

INSURED
PHILIP INDUSTRIAL SERVICES GROUP
A WHOLLY OWNED SUBSIDIARY OF PHILIP SERVICES CORP
3909 PARK RD., SUITE D
BENICIA, CA
94510
ATTN: JEFF MCCLURE FX-310-645-6379

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
A	GENERAL LIABILITY X COMMERCIAL GENERAL LIABILITY CLAIMS MADE X OCCUR X OWNER'S & CONTRACTOR'S PROT	GL1525551	10/31/98	10/31/99	GENERAL AGGREGATE	$ 2,000,000
					PRODUCTS - COMP/OP AGG	$ 1,000,000
					PERSONAL & ADV INJURY	$ 1,000,000
					EACH OCCURRENCE	$ 1,000,000
					FIRE DAMAGE (any one fire)	$ 1,000,000
					MED EXP (any one person)	$ 10,000
A	AUTOMOBILE LIABILITY X ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS X HIRED AUTOS X NON-OWNED AUTOS MCS 90	CA7666205	10/31/98	10/31/99	COMBINED SINGLE LIMIT	$ 1,000,000
					BODILY INJURY (Per person)	$
					BODILY INJURY (Per accident)	$
					PROPERTY DAMAGE	$
	GARAGE LIABILITY ANY AUTO				AUTO ONLY - EA ACCIDENT	$
					OTHER THAN AUTO ONLY	
					EACH ACCIDENT	$
					AGGREGATE	$
A	EXCESS LIABILITY X UMBRELLA FORM OTHER THAN UMBRELLA FORM	BE1525552	10/31/98	10/31/99	EACH OCCURRENCE	$ 5,000,000
					AGGREGATE	$ 5,000,000
						$
B	WORKER'S COMPENSATION AND EMPLOYERS' LIABILITY THE PROPRIETOR/PARTNER/EXECUTIVE OFFICER ARE ☐ INCL ☐ EXCL	NWA0157041-00	06/30/99	06/30/00	X STATUTORY LIMITS ☐ OTHER	
					EL EACH ACCIDENT	$ 1,000,000
					EL DISEASE - POLICY LIMIT	$ 1,000,000
					EL DISEASE - EA EMPLOYEE	$ 1,000,000
C	OTHER CONTRACTORS POLLUTION LIABILITY POLLUTION ERRORS & OMISSIONS LIABILITY	COPS2675472	10/31/98	10/31/99	$5,000,000. PER OCCURRENCE $5,000,000 AGGREGATE	

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/EXCLUSIONS ADDED BY ENDORSEMENT/SPECIAL PROVISIONS
UNDER THE GENERAL LIABILITY AND AUTOMOBILE LIABILITY POLICIES WAIVER OF SUBROGATION AND ADDITIONAL INSURED EXTENSIONS ARE GRANTED TO THE EXTENT REQUIRED BY WRITTEN CONTRACT BETWEEN THE NAMED INSURED AND THE CERTIFICATE HOLDER.
WORKER'S COMPENSATION WAIVER OF SUBROGATION/ALTERNATE EMPLOYER EXTENSIONS ARE GRANTED TO THE EXTENT REQUIRED BY WRITTEN CONTRACT BETWEEN THE NAMED INSURED AND THE CERTIFICATE HOLDER.
B: BUT ONLY WITH RESPECT TO ANY AND ALL SERVICES PERFORMED BY PHILIP SERVICES CORP., ITS AFFILIATES AND SUBSIDIARIES

UNIVERSITY OF CALIFORNIA SCHOOL SYSTEM
111 FRANKLIN ST., 10TH FLOOR
OAKLAND, CA
94607
ATTN: TONY BOLLIGER

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE
Judy Hulcoop

09/28/1999

PRODUCER

WILLIS CANADA (1999) INC.
45 KING STREET WEST, SUITE 1200
TORONTO, ONT. M5H 1J8 CANADA
ATTN: JUDY HULCOOP

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

COMPANIES AFFORDING COVERAGE

COMPANY A	COMMERCE & INDUSTRY INSURANCE COMPANY
COMPANY B	RELIANCE NATIONAL INDEMNITY COMPANY
COMPANY C	AMERICAN INTERNATIONAL SPECIALTY LINES CO.
COMPANY D	

INSURED

BURLINGTON ENVIRONMENTAL INC.
A WHOLLY-OWNED SUBSIDIARY OF PHILIP SERVICES CORP
1701 E. ALEXANDER AVENUE
TACOMA, WA
98421
ATTN: JEFF MCCLURE FX-310645-6379

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED, NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
A	GENERAL LIABILITY X COMMERCIAL GENERAL LIABILITY CLAIMS MADE X OCCUR OWNER'S & CONTRACTOR'S PROT X CONTRACTUAL	GL1525551	10/31/98	10/31/99	GENERAL AGGREGATE	$ 2,000,000
					PRODUCTS - COMP/OP AGG	$ 1,000,000
					PERSONAL & ADV INJURY	$ 1,000,000
					EACH OCCURRENCE	$ 1,000,000
					FIRE DAMAGE (Any one fire)	$ 1,000,000
					MED EXP (Any one person)	$ 10,000
A	AUTOMOBILE LIABILITY X ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS X HIRED AUTOS X NON-OWNED AUTOS	CA7866205	10/31/98	10/31/99	COMBINED SINGLE LIMIT	$ 1,000,000
					BODILY INJURY (Per person)	$
					BODILY INJURY (Per accident)	$
					PROPERTY DAMAGE	$
	GARAGE LIABILITY ANY AUTO				AUTO ONLY - EA ACCIDENT	$
					OTHER THAN AUTO ONLY:	
					EACH ACCIDENT	$
					AGGREGATE	$
	EXCESS LIABILITY X UMBRELLA FORM OTHER THAN UMBRELLA FORM	BE1525552	10/31/98	10/31/99	EACH OCCURRENCE	$ 5,000,000
					AGGREGATE	$ 5,000,000
						$
	WORKER'S COMPENSATION AND EMPLOYERS' LIABILITY THE PROPRIETOR PARTNERS/EXECUTIVE OFFICERS ARE INCL / EXCL	NWA0157041-00	06/30/99	06/30/00	X STATUTORY LIMITS / OTH-ER	
					EL EACH ACCIDENT	$ 1,000,000
					EL DISEASE - POLICY LIMIT	$ 1,000,000
					EL DISEASE - EA EMPLOYEE	$ 1,000,000
	OTHER CONTRACTOR'S POLLUTION LIABILITY POLLUTION ERRORS & OMISSIONS LIABILITY	COPS2875472	10/31/98	10/31/99	$5,000,000 PER OCCURRENCE $5,000,000 AGGREGATE INCLUDING ASBESTOS ABATEMENT & LEAD ABATEMENT	

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS

IN THE GENERAL LIABILITY AND AUTOMOBILE LIABILITY POLICIES WAIVER OF SUBROGATION AND ADDITIONAL INSURED EXTENSIONS ARE GRANTED TO THE EXTENT REQUIRED BY WRITTEN CONTRACT BETWEEN THE NAMED INSURED AND THE CERTIFICATE HOLDER.
WORKERS COMPENSATION WAIVER OF SUBROGATION/ALTERNATE EMPLOYER EXTENSIONS ARE GRANTED TO THE EXTENT REQUIRED BY WRITTEN CONTRACT BETWEEN THE NAMED INSURED AND THE CERTIFICATE HOLDER.
BUT ONLY WITH RESPECT TO ANY AND ALL SERVICES PERFORMED BY PHILIP SERVICES CORP. ITS AFFILIATES AND SUBSIDIARIES.

UNIVERSITY OF CALIFORNIA SCHOOL SYSTEM
111 FRANKLIN ST., 10TH FLOOR
OAKLAND, CA
94607
ATTN: TONY BOLLIGER

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

Judy Hulcoop

WILLIS CANADA (1999) INC.
145 KING STREET WEST, SUITE 1200
TORONTO, ONT. M5H 1J8 CANADA
ATTN: JUDY HULCOOP

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

COMPANIES AFFORDING COVERAGE

COMPANY A	COMMERCE & INDUSTRY INSURANCE COMPANY
COMPANY B	RELIANCE NATIONAL INDEMNITY COMPANY
COMPANY C	AMERICAN INTERNATIONAL SPECIALTY LINES CO.
COMPANY D	

INSURED
BURLINGTON ENVIRONMENTAL INC.
A WHOLLY-OWNED SUBSIDIARY OF PHILIP SERVICES CORP
20245 77TH AVENUE SOUTH
KENT, WA
98032
ATTN: JEFF MCCLURE FX-310-645-6379

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED, NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN. THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS		
A	GENERAL LIABILITY X COMMERCIAL GENERAL LIABILITY CLAIMS MADE [X] OCCUR OWNER'S & CONTRACTOR'S PROT X CONTRACTUAL	GL1525551	10/31/98	10/31/99	GENERAL AGGREGATE	$	2,000,000
					PRODUCTS - COMP/OP AGG	$	1,000,000
					PERSONAL & ADV INJURY	$	1,000,000
					EACH OCCURRENCE	$	1,000,000
					FIRE DAMAGE (Any one fire)	$	1,000,000
					MED EXP (Any one person)	$	10,000
A	AUTOMOBILE LIABILITY X ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS X HIRED AUTOS X NON-OWNED AUTOS	CA7866205	10/31/98	10/31/99	COMBINED SINGLE LIMIT	$	1,000,000
					BODILY INJURY (Per person)	$	
					BODILY INJURY (Per accident)	$	
					PROPERTY DAMAGE	$	
	GARAGE LIABILITY ANY AUTO				AUTO ONLY - EA ACCIDENT	$	
					OTHER THAN AUTO ONLY:		
					EACH ACCIDENT	$	
					AGGREGATE	$	
A	EXCESS LIABILITY X UMBRELLA FORM OTHER THAN UMBRELLA FORM	BE1525552	10/31/98	10/31/99	EACH OCCURRENCE	$	5,000,000
					AGGREGATE	$	5,000,000
						$	
B	WORKER'S COMPENSATION AND EMPLOYERS' LIABILITY THE PROPRIETOR PARTNERS/EXECUTIVE OFFICERS ARE INCL / EXCL	NWA0157041-00	06/30/99	06/30/00	X WC STATU-TORY LIMITS / OTH-ER		
					EL EACH ACCIDENT	$	1,000,000
					EL DISEASE - POLICY LIMIT	$	1,000,000
					EL DISEASE - EA EMPLOYEE	$	1,000,000
C	OTHER CONTRACTOR'S POLLUTION LIABILITY POLLUTION ERRORS & OMISSIONS LIABILITY	COPS2675472	10/31/98	10/31/99	$5,000,000 PER OCCURENCE $5,000,000 AGGREGATE INCLUDING ASBESTOS ABATEMENT & LEAD ABATEMENT		

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS
UNDER THE GENERAL LIABILITY AND AUTOMOBILE LIABILITY POLICIES WAIVER OF SUBROGATION AND ADDITIONAL INSURED EXTENSIONS ARE GRANTED TO THE EXTENT REQUIRED BY WRITTEN CONTRACT BETWEEN THE NAMED INSURED AND THE CERTIFICATE HOLDER.
WORKERS COMPENSATION WAIVER OF SUBROGATION/ALTERNATE EMPLOYER EXTENSIONS ARE GRANTED TO THE EXTENT REQUIRED BY WRITTEN CONTRACT BETWEEN THE NAMED INSURED AND THE CERTIFICATE HOLDER.
BE BUT ONLY WITH RESPECT TO ANY AND ALL SERVICES PERFORMED BY PHILIP SERVICES CORP., ITS AFFILIATES AND SUBSIDIARIES

UNIVERSITY OF CALIFORNIA SCHOOL SYSTEM
111 FRANKLIN ST., 10TH FLOOR
OAKLAND, CA
94607
ATTN: TONY BOLLIGER

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE
Judy Hulcoop

PHILIP
ENVIRONMENTAL

GENERATOR'S WASTE MATERIAL PROFILE WORKSHEET

_____

PLEASE PRINT IN BLACK INK OR TYPE

LIP ENVIRONMENTAL INC. SALES REP:

LAB ID# _____

ORDER# _____

ENERATOR INFORMATION

SIC CODE _____

ame: _____ 2. USEPA ID# _____

acility Address: _____

ity: _____ State: _____ Zip Code: _____

act: _____ 5. Title: _____ 6. Phone: ( ) - _____

ultant (if any): _____ 8. Company: _____ 9. Fax & Phone: ( ) - _____

AIL PHILIP ENVIRONMENTAL INC. INVOICES TO: 1. Generating Facility at above address.

ompany Name: _____ 3. Phone: ( ) - _____

ddress: _____

ity: _____ State: CA Zip Code: _____

ention: _____ Fax ( ) - _____

ASTE INFORMATION

ame Of Waste _____

ocess Generating Waste (be specific): _____

enerator has provided the following: ☐ Other ☐ Sample ☐ MSDS ☐ Waste Analysis

rm Code _____ Source Code _____ Origin Code _____

L CHARACTERISTICS OF WASTE

2. Physical State @ 70F:	3. Layers:	4. Specific Gravity	5. Fred Liquids:
☐ Solid ☐ Semi-Solid ☐ Liquid Other: _____	☐ Multi-layered ☐ Bi-Layered ☐ Single Phased	☐ <0.8 ☐ 1.1 - 1.2 ☐ 0.8 - 1.0 ☐ 1.3 - 1.4 Exact/ Other: _____	☐ No ☐ Yes _____ %

l: ☐ N/A ☐ <2 ☐ 2 - 4 ☐ 4 - 6 ☐ 6 - 8 ☐ 8 - 10 ☐ 10 - 12.5 ☐ >12.5 ☐ Range: _____

iquid Flash ☐ <73F ☐ 73F - 100F ☐ 101 - 141F ☐ 142 - 200F ☐ >200F ☐ None ☐ Closed Cup ☐ Open Cup

el blending: BTU/lb _____ Ash _____ %

TAL COMPOSITION OF WASTE (all hazardous & non-hazardous) RANGE MIN.-MAX.
clude sludge & water as constituents.

	MIN.	MAX.
		%
		%
		%
		%
		%
		%
		%
		%
		%
		%
		%
		%
TOTAL	100%	%

SE NOTE: The TOTAL composition must be greater than or equal to 100%.

this waste contains any of the following:

	Not Present	Concentration
	☐	_____ ppm
des: Amenable	☐	_____ ppm
Total	☐	_____ ppm
lics	☐	_____ ppm
s	☐	_____ ppm

☐ Lab Analysis Attached

☐ Generator Knowledge

F. METALS Indicate if this waste contains any of the following metals, and which test method was used.

☐ TCLP ☐ TOTAL ☐ Generator Knowledge

METAL	WASTE No.	LESS THAN	ACTUAL
Arsenic (As)	D004	☐ <5ppm	_____ ppm.
Barium (Ba)	D005	☐ <100ppm	_____ ppm.
Cadmium (Cd)	D006	☐ <1ppm	_____ ppm.
Chromium (Cr)	D007	☐ <5ppm	_____ ppm.
Lead (Pb)	D008	☐ <5ppm	_____ ppm.
Mercury (Hg)	D009	☐ <0.2ppm	_____ ppm.
Selenium (Se)	D010	☐ <1ppm	_____ ppm.
Silver (Ag)	D011	☐ <5ppm	_____ ppm.
Nickel (Ni)		☐ <134ppm	_____ ppm.
Thallium (Tl)		☐ <120ppm	_____ ppm.
Zinc (Zn)			_____ ppm.
Copper (Cu)			_____ ppm.
Hexavalent Chrome			_____ ppm.
_____			_____ ppm.
_____			_____ ppm.

NERATOR'S WASTE MATERIAL PROFILE WORKSHEET (Continued)

ste any of the following? ☐ Ignitable Solid ☐ Water Reactive ☐ Reactive (other)
☐ Oxidizer ☐ Shock Sensitive ☐ None Apply

SEPA?STATE WASTE IDENTIFICSTION

azrdous/Dangerous Waste? ☐ Yes ☐ No **3.** List ALL Applicable Waste Numbers: _____

CB Regulated By TSCA? ☐ Yes ☐ No _____

IPPING INFORMATION

this a DOT Hazardous Material? ☒ Yes ☐ No **2.** Reportable Quantity (RQ) in pounds: _____

lethod of Shipment: ☐ Bulk Liquid ☐ Bulk Solid ☐ Container (Type/Size): _____

umber of Units to Ship Now: _____ **5.** ☐ Anticipated Volume/Units per Year: _____ OR ☐ **6. One Time**

DOT DESCRIPTION: USE THE FULL BASIC DESCRIPTION ON THE HAZARDOUS WASTE MANIFEST.

ROPER SHIPPING NAME (If generic "n.o.s.", indicate the two predominant constituents in parenthsis)

AZARD CLASS **8.** DOT ID NUMBER **9.** PACKING GROUP NUMBER **10.** ADDITIONAL INFORMATION

PECIAL HANDLING INFORMATION _____

enerators Certification

ity certify, as an authorized representative of the generator named above, that PEI has been fully informed of all information known about this waste, including but not d to, the waste's generation process, composition, and physical characteristics, necessary to identify proper treatment and disposal of waste and this information is true ccurate. If this is an existing profile which is being renewed, I hereby certify that there have been no changes in this waste, chemical, physical, or regulatory designation full characterization by sample testing.

NAME _____ DATE _____

ENERATOR'S CHAIN OF CUSTODY RECORD

TRUCTIONS collect a representative 1 pint sample of the waste described in the above referenced PHILIP ENVIRONMENTAL Profile using a glass th a non- metal screw on lid. If the sample is oil, we will need a 1 quart sample. A representative sample is one obtained using any of the applicable ing methods cited in 40 CFR 261 - APPENDIX 1. Fill in the sample information in the spaces provided below. Complete all items on the label, except boratory #, then remove the label and affix it to the sample bottle. If you have problems obtaining a representative sample of your waste, please contact HILIP ENVIRONMENTAL sales representative.

IPLING METHOD Indicate method / utensils employed in sampling: _____

IPLE SOURCE (e.g., drum, tank, pit) _____

ROFILE REVIEW FEE: ☐ PAYMENT ENCLOSED ☐ PLEASE BILL P.O. # _____

AMPLE LABEL -
mplete label
ore removing

CP#: _____
Generator: _____
Waste Description: _____
Analyze for: _____
Sample by: _____
Signature: _____
Laboratory # _____

ab use only)

(USE BALL POINT PEN ON LABEL. PRESS FIRMLY AND FILL OUT SAMPLE LABEL COMPLETELY)

the peel- off label to the sample and ship it and this form to:

PHILIP ENVIRONMENTAL INC.
RHO CHEM FACILITY
425 ISIS AVENUE
INGLEWOOD, CA 90301

CUSTODY Each person who handles the sample must sign below when the sample passes from one to another.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

PHILLIP ENVIRONMENTAL

RCRA Land Disposal Restriction Notification Form EZ

This form is applicable to characteristic wastes (D codes), listed wastes (F, K, U and P codes), California List Wastes, and Hazardous Debris.

Generator: _____ U.S. EPA I.D. #: _____

! #'s: _____ Manifest #: _____

The wastes identified on this form are subject to the land disposal restrictions of 40 CFR Part 268. The wastes do not meet the treatment standards specified in Part 268, Subpart D or do not meet the applicable prohibition levels specified in 268.32 or RCRA Section 3004(d). Pursuant to 40 CFR 268.7(a), the required information applicable to each waste is identified below (check all boxes that apply):

Treatability Group: ☐ Wastewater ☐ Nonwastewater

(Wastewaters contain less than 1% filterable solids and less than 1% Total Organic Carbon)

_____ ☐ **D001 Ignitable (except for High TOC) managed in non-CWA/non-CWA-equivalent/non Class I SDWA systems**
(If this box is checked, complete and attach Form UC to address underlying hazardous constituents)

_____ ☐ D001 Ignitable (except for High TOC) managed in CWA/ CWA-equivalent/Class I SDWA systems

_____ ☐ D001 High TOC Ignitable (greater than 10% total organic carbon)

_____ ☐ **D002 Corrosive managed in non-CWA/non-CWA-equivalent/non Class I SDWA systems**
(If this box is checked, complete and attach Form UC to address underlying hazardous constituents)

_____ ☐ D002 Corrosive managed in CWA/ CWA-equivalent/Class I SDWA systems

_____ ☐ D003 Reactive Sulfides based on 261.23(a)(5)

_____ ☐ D003 Reactive Cyanides based on 261.23(a)(5)

_____ ☐ **D003 Water Reactives based on 261.23(a)(2),(3) and (4) managed in non-CWA/non-CWA equivalent/ non-Class I SDWA systems** *(Complete form UC)*

_____ ☐ D003 Water Reactives based on 261.23(a)(2),(3) and (4) managed in CWA/CWA equivalent/Class I SDWA systems

_____ ☐ D003 Other Reactives based on 261.23(a)(1)

_____ ☐ D004 Arsenic _____ ☐ D005 Barium

_____ ☐ D006 Cadmium _____ ☐ D006 Cadmium-containing batteries

_____ ☐ D007 Chromium _____ ☐ D008 Lead _____ ☐ D008 Lead acid batteries

_____ ☐ D009 High mercury inorganic (>260 mg/kg total), including incinerator residue and residues from RMERC

_____ ☐ D009 High-mercury organic (>260 mg/kg total), not including incinerator residue

_____ ☐ D009 Low-mercury (<260 mg/kg total) _____ ☐ D009 All D009 wastewaters

_____ ☐ D010 Selenium _____ ☐ D011 Silver

43 boxes are checked, complete and attach Form UC to address underlying hazardous constituents (unless these wastes are to be managed in WA-equivalent/Class I SDWA systems):

_____	☐ **D012 Endrin**	_____	☐ **D023** *o*-Cresol	_____	☐ **D033 Hexachlorobutadiene**
_____	☐ **D013 Lindane**	_____	☐ **D024** *m*-Cresol	_____	☐ **D034 Hexachloroethane**
_____	☐ **D014 Methoxychlor**	_____	☐ **D025** *p*-Cresol	_____	☐ **D035 Methyl ethyl ketone**
_____	☐ **D015 Toxaphene**	_____	☐ **D026 Cresols (Total)**	_____	☐ **D036 Nitrobenzene**
_____	☐ **D016 2,4-D**	_____	☐ **D027** *p*-**Dichlorobenzene**	_____	☐ **D037 Pentachlorophenol**
_____	☐ **D017 2,4,5-TP (Silvex)**	_____	☐ **D028 1,2-Dichloroethane**	_____	☐ **D038 Pyridine**
_____	☐ **D018 Benzene**	_____	☐ **D029 1,1-Dichloroethylene**	_____	☐ **D039 Tetrachloroethylene**
_____	☐ **D019 Carbon tetrachloride**	_____	☐ **D030 2,4-Dinitrotoluene**	_____	☐ **D040 Trichloroethylene**
_____	☐ **D020 Chlordane**	_____	☐ **D031 Heptachlor**	_____	☐ **D041 2,4,5-Trichlorophenol**
_____	☐ **D021 Chlorobenzene**	_____	☐ **D032 Hexachlorobenzene**	_____	☐ **D042 2,4,6-Trichlorophenol**
_____	☐ **D022 Chloroform**			_____	☐ **D043 Vinyl chloride**

In addition, the following wastes are included in this shipment:

_____ ☐ F001-F005 spent solvents. *(If this box is checked, complete the F001-F005 section on the back of this form. Check the hazardous waste number(s) that applies, and identify the constituents likely to be present in the waste.)*

_____ ☐ F039 multisource leachate. *(If this box is checked, complete and attach Form UC to identify the individual constituents.)*

_____ ☐ RCRA Section 3004(d) California list wastes. *(If this box is checked, complete the California List section on the back page of this form.)*

_____ ☐ Hazardous Debris *(If this box is checked, complete the Hazardous Debris section on the back page of this form.)*

If this shipment carries additional waste codes that are not addressed above, identify them here:

EPA Waste Code	Subcategory (if applicable)	EPA Waste Code	Subcategory (if applicable)

F001-F005 Spent Solvents

Check the box(es) that applies; identify the individual constituents likely to be present.

Hazardous waste description		Regulated hazardous constituents	
____☐	F001 Spent halogenated solvents used in degreasing	Carbon tetrachloride Tetrachloroethylene Trichloroethylene Trichloromonofluoromethane	Methylene chloride 1,1,1-Trichloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane
_____☐	F002 Spent halogenated solvents	Chlorobenzene Methylene chloride 1,1,1-Trichloroethane Trichloroethylene Trichloromonofluoromethane	*o*-Dichlorobenzene Tetrachloroethylene 1,1,2-Trichloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane
_____☐	F003 Spent non-halogenated solvents	Acetone Cyclohexanone* Ethyl benzene Methanol* Xylenes (total)	*n*-Butyl alcohol Ethyl acetate Ethyl ether Methyl isobutyl ketone
_____☐	F004 Spent non-halogenated solvents	*m*-Cresol *p*-Cresol Nitrobenzene	*o*-Cresol Cresol-mixed isomers (cresylic acid)
_____☐	F005 Spent non-halogenated solvents	Benzene 2-Ethoxyethanol Methyl ethyl ketone Pyridine	Carbon disulfide* Isobutyl alcohol 2-Nitropropane Toluene

**The treatment standards for carbon disulfide, cyclohexanone, and methanol nonwastewaters are based on the TCLP and apply to spent solvent nonwastewaters containin only one, two, or all three of these constituents. The treatment standards for these three constituents do not apply when any of the other F001-F005 constituents are present in the waste.*

California List Wastes

Check applicable boxes; only RCRA-regulated hazardous wastes can be subject to the California List prohibitions. Note that the California List prohibiti do not apply to newly identified (e.g., D018-D043) or newly listed wastes.

☐ Liquid wastes containing Nickel at >134 mg/L

☐ Liquid wastes containing PCBs at ≥50 ppm

☐ Liquid wastes containing Thallium at >130 mg/L

☐ Liquid or nonliquid wastes containing Halogenated Organic Compounds listed in 40 CFR 268 Appendix III at ≥1,000 mg/kg (solids) or ≥1,000 mg/L (liquids)

Hazardous Debris

The definitions of "debris" and "hazardous debris" are in 40 CFR 268.2. Per 268.45, hazardous debris must be treated for each "contaminant subject to treatment." To determine these, look up the waste code in 268.40 and list the regulated hazardous constituents for each code. Check the box that applies.

☐ This shipment contains hazardous debris that will be treated to comply with the alternative treatment standards of 268.45 (e.g., macroencapsulation or abrasive blastin

☐ This shipment contains hazardous debris that will be treated to meet the 268.40 treatment standards for the waste(s) contaminating the debris).

The contaminants subject to treatment for this debris are identified below:

EPA Waste Code	Subcategory	Contaminants subject to treatment	
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

GENERATOR CERTIFICATION

_____ _____ _____

Generator Signature | Printed Name | Date

If the back page is completed, both sides must accompany shipment

Burlington Environmental Inc.
RCRA Land Disposal Restriction Notification Form-LP
This form is applicable to shipments of lab packs containing RCRA hazardous wastes.

Generator:_____ U.S. EPA I.D. #:_____

Burlington Profile #:_____ Manifest #:_____

The hazardous waste lab pack(s), as indicated below, are included in this waste shipment and are subject to the U.S. EPA land disposal restrictions of 40 CFR Part 268. The wastes do not meet the treatment standards specified in Part 268, Subpart D or do not meet the applicable prohibition levels specified in 268.32 or RCRA Section 3004(d). This notification and certification form is submitted to Burlington Environmental in accordance with 40 CFR 268.7(a). The applicable notification/certification statement is designated by a check mark in the appropriate box(es) and has been signed by an authorized representative of the waste generator.

NOTIFICATION: The following type(s) of lab pack(s), as designated by a check mark in the appropriate box(es), are included in this waste shipment. Individual lab packs are identified below by their associated drum identification number. The accompanying Lab Pack Drum Inventory Sheet(s) lists the wastes contained in each lab pack and the corresponding land disposal restriction information.

☐ PACKED TO MEET ALTERNATIVE TREATMENT STANDARDS as defined by 40 CFR 268.42(c). Such lab packs may not include the following waste codes, as specified in Appendix IV to part 268: D009, F019, K003, K004, K005, K006, K062, K071, K100, K106, P010, P011, P012, P076, 078, U134, U151. EPA waste codes and subcategories are included on the attached inventory sheet(s). Notifications for lab packs managed using the alternative treatment standards do not need to address underlying hazardous constituents.

Treatability Group: ☐- Nonwastewater ☐ Wastewater *(< 1% filterable solids and < 1% Total Organic Carbon)*

This notification and certification applies to the following drums included in this waste shipment:

Drum identification number(s) include:_____

"I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack does not contain any wastes identified at Appendix IV to part 268. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment".

☐ NOT PACKED TO MEET ALTERNATIVE TREATMENT STANDARDS. Notifications for lab packs not managed under the alternative treatment standards of 40 CFR 268.42(c) must meet the requirements of 40 CFR 268.7(a)(1) Complete and attach Form EZ. Complete and attach Form UC if needed to address underlying hazardous constituents reasonably expected to be present.

This notification applies to the following drums included in this waste shipment:

Drum identification number(s) include: _____

CERTIFICATION STATEMENT: In addition to the applicable certification(s) above, I hereby certify that all information submitted in this and all associated documents is complete and accurate to the best of my knowledge and information.

Signature _____ Title _____

Name_____ Date _____

Xerox WorkCentre Pro
SMTP Transfer Report

XEROX

Job Status: SUCCESS Job has been transferred to the SMTP server.

Job Information

Device Name:	XEROX
Submission Date:	12/22/09
Submission Time:	04:16 PM
Images Scanned:	5
Size:	400857

SMTP Server

Address:	smtp.ucop.edu:25

Message Settings:

Subject:	Scan from Xerox WC90 in room 8328
From:	ogcstaff@ucop.edu
To:	

1. Barbara.Clark@ucop.edu

Copyright (c) 1993--2003 Xerox Corporation. All Rights Reserved.

University of California, Systemwide Agreement

#25
#27

DATE: 2/21/97
NUMBER 083/SF/047/100

HAZARDOUS WASTE DISPOSAL

ISSUED TO MSE Environmental Inc.
1250-H Avenida Acaso
Camarillo, CA 93012

ISSUED BY Dave Kolsom, Purchasing Manager
Procurement and Business Contracts Unit
UNIVERSITY OF CALIFORNIA, Berkeley
MC5600
Berkeley, CA 94720-5600
Phone: 510-643-5709; fax 510-642-8604

TABLE OF CONTENTS

PART A INTRODUCTION

1. General Description & Background Information
   Statement of Purpose
2. Definitions

PART B GENERAL REQUIREMENTS, TERMS & CONDITIONS

1. Agreement Period
1.1 Initial Agreement Period
1.2 Agreement Extension
1.3 Probationary Period

2. Usage
2.1 Agreement Utilization
2.2 Quantity Estimates

3. Pricing
3.1 Pricing Structure
3.1.1 Firm Prices and Discounts
3.1.2 Basis for Price Adjustments
3.1.3 Special Pricing
3.2 Price Protection and Certification
3.3 Freight and Handling Charges
3.4 Returned Goods
3.5 Taxes

4. Invoicing
4.1 Payment Terms
4.2 Timely Notification of Past Due Invoices

5. Specifications
5.1 Scope of Work
5.1.1 Sales Service and Support
5.1.2 Technical Service and Support
5.1.3 Special Projects and Standard Hours of Operation
5.1.4 Response Time
5.1.5 Personnel
5.2 Technical Specifications
5.2.1 Product Specifications
5.2.2 Performance Guarantee/Compliance Level
5.2.3 Qualifications of Personnel

5.2.4 Permitting and Licensure
5.2.5 Management Reports
5.3 Warranties
5.4 Delivery Requirements
5.4.1 Order Placement
5.4.2 Authorizations
5.4.3 Service Schedule
5.4.4 Order Size
5.4.5 Delivery Site/Location
5.4.6 Inspection
5.4.7 Special Delivery Instructions/Requirements
5.4.8 Packaging
5.4.9 Documentation

6. General Conditions
6.1 Other
6.1.1 Late Interest Charges
6.1.2 Loss of Equipment
6.1.3 No Free Parking
6.1.4. Ethics
6.1.5 Right to Know Legislation
6.1.6 Relationship of Parties
6.1.7 Indemnification
6.1.8 Contacts with University Management
6.2 Insurance Requirements
6.3 Agreement Administration
6.4 Record Keeping and Auditing
6.5 Terms and conditions
6.5.1 Product Liability Indemnity Provision
6.5.2 Termination of Agreement
6.5.3 Entire Agreement

PART A INTRODUCTION

1. GENERAL DESCRIPTION & BACKGROUND INFORMATION

Statement of Purpose

The purpose of this Agreement is to provide for handling, transportation and or disposal of UNIVERSITY hazardous wastes, including a wide variety of chemicals from research and instructional laboratories and medical centers listed under Attachment 6, Block 15.

The UNIVERSITY OF CALIFORNIA is a non-profit educational institution consisting of nine major campuses at Berkeley, Davis, Irvine, Los Angeles, Riverside, San Diego, Santa Barbara, San Francisco and Santa Cruz. The UNIVERSITY also operates five major medical centers at Davis, Irvine, Los Angeles, San Diego and San Francisco. Lawrence Berkeley, Lawrence Livermore and Los Alamos national laboratories are operated by the UNIVERSITY OF CALIFORNIA.

2. DEFINITIONS

Agreement -- The contract document issued, pursuant to this request, to be furnished to contractor(s) by UNIVERSITY jurisdictional personnel which specifically describes goods and or services to be covered.

CONTRACTOR-- The term "Seller", "Supplier", "Contractor", "Respondent", "Bidder", "Vendor", "MSE", are used interchangeably herein and refer to the same entity MSE Environmental Inc., the provider of goods and services to the UNIVERSITY.

Days -- Unless otherwise stated, refers to calendar days.

EH&S Officer -- Environmental Health and Safety Director for each University Campus or his/her designee. At LLNL the equivalent person is the Hazardous Waste Management Storage and Disposal Group leader.

Emergency Response Services -- any spill response that meets campus criteria as specified in Attachment 2 and described in Attachment 3.

Environmental Impairment Liability Insurance - Same as pollution liability insurance.

Field Station -- An off campus research facility

Full Services -- Providing supplies, lab packing and bulking services in addition to transportation and disposal, includes labor and materials to prepare work site and cleanup to previous site condition. This includes professional and technical personnel to inspect, lab pack, HazCat, document, package, profile, transport and dispose of the UNIVERSITY's hazardous wastes according to all applicable federal, state and local regulations, TSDF waste acceptance criteria, (Department of Energy orders where applicable at the University Laboratories) and UC policies and procedures.

Gross Weight – Total weight of the filled shipping container, including all fillers, absorbent, shipping container and hazardous waste.

Hazard Categorization Charge or "HazCating" -- The fixed charge for the labor, materials and analytical charges incurred per sample for the exclusive purpose of identifying or classifying chemicals sufficient to satisfy all applicable TSDF waste acceptance criteria and regulatory agency requirements.

Lab packing Services -- Includes collecting, sampling, consolidating, profiling, packaging, labeling, loading and other handling of hazardous waste, containers and paper work while physically working at UNIVERSITY facilities.

Net Weight -- For lab packs, weight of internal material and primary containers, excluding all packaging materials and outer shipping containers; for bulk solids, weight of the waste material only.

Parties of the Agreement -- This Agreement is by and between the Regents of the University of California ("UNIVERSITY") and CONTRACTOR ("Seller").

Pollution Insurance -- Insurance to cover risks associated with the contamination of the environment - air, ground, or water. Liability from pollution is frequently excluded to some degree in the general, auto, and umbrella liability policies.

Regents of the University of California-- The terms "UNIVERSITY", "Generator", "Buyer", "Campus", "UNIVERSITY OF CALIFORNIA" and "Regents of the University of California" are used interchangeably herein and refer to the same entity: Regents of the University of California.

Special Projects – Labor associated with Block 16, short term and or temporary support services.

Submittal response -- "bid", "bid submittal", "bid response", "proposal" are used interchangeably herein and refer to CONTRACTOR's documents and attachments in response to the submittal request.

Submittal request -- "Request for Proposal" (RFP); "solicitation", are used interchangeably herein and refer to this document and the referenced attachments.

Transportation & Disposal Price -- The total charge for transporting hazardous waste from UNIVERSITY facilities to an approved TSDF, including any necessary profiling, manifesting, or other documentation associated with proper waste disposal, the per unit price, waste stream approval fees, penalties, and other surcharges for the final disposition of the waste.

TSDF -- Means Treatment, Storage, or Disposal Facility, as defined in Title 22 California Code of Regulations, Section 66260.10 and in Title 40 Code of Federal Regulations 260.10.

University Affiliates -- Institutions or businesses which have a close business relationship with the UNIVERSITY and allow the UNIVERSITY to establish Agreements on its behalf.

University Technical Representative -- Refers to the individual within the UNIVERSITY who will be

responsible for the daily coordination of all activities relating to the implementation, design, and control of this Agreement.

Work -- "Work" shall include all obligations, duties, requirements, and responsibilities required for the successful completion of the Agreement by the CONTRACTOR, including the furnishing of all supervision, labor, materials, equipment and other supplies, incidental with the execution of the Agreement and in accordance with the terms and conditions set forth in this Agreement.

PART B GENERAL REQUIREMENTS, TERMS & CONDITIONS

1. AGREEMENT PERIOD

1.1 Initial Agreement Period
The initial Agreement period shall commence February 1, 1997 and end on January 31, 2000. The original Agreement term will be for a period of three (3) years.

1.2 Agreement Extension
The UNIVERSITY, at its sole option, reserves the right, and CONTRACTOR as a condition of the solicitation, agrees to allow the UNIVERSITY the option to extend, solely and at its discretion, this Agreement term for up to four (4) additional one year period(s), at the same prices or pricing basis, terms, and conditions as the original Agreement. CONTRACTOR recognizes and agrees that the business obtained by CONTRACTOR under an extension will constitute the sole consideration for the extension.

In the event any of the above options are not exercised and additional time is required by the UNIVERSITY to initiate a new Agreement, CONTRACTOR agrees to continue providing services to the UNIVERSITY on a month-to-month basis, for a period not to exceed six (6) months, at the prices, terms and conditions in effect during the prior period.

1.3 Probationary Period
CONTRACTOR will be given a six (6) month probationary period by each campus committing to the Agreement block(s) awarded, during which the CONTRACTOR must demonstrate compliance with Agreement requirements. Each Campus reserves the right to extend the probationary period for an additional six months. Service will be monitored for compliance in the following areas:

1) Timeliness (reference RFP scheduling requirements in Section 5.2.1 Product Specifications)
2) Accuracy of pricing and invoicing (reference RFP Sections 3. Pricing and 4. Invoicing)
3) Scope of work (reference RFP Section 5.1 through 5.1.5)
4) Technical Specifications, including adherence to Operational Plan (reference RFP Section 5.2)
5) Warranties (reference RFP Section 5.3)
6) Delivery Requirements (reference RFP Section 5.4)
7) Compliance with insurance requirements (reference RFP Section 6.2)
8) Qualifications of assigned CONTRACTOR personnel (reference section 5.2.3).
9) Compliance with all health and safety requirements outlined in attachment 5 Task G.

UNIVERSITY reserves the right to terminate this Agreement by individual participating Campus, National Laboratory, or all participating parties with 10 days written notice if the UNIVERSITY deems the CONTRACTOR has failed to demonstrate full compliance to the Agreement requirements during the probationary period. The UNIVERSITY shall be the sole judge as to whether or not CONTRACTOR is in compliance. Upon termination of this Agreement the UNIVERSITY may then go to the second lowest responsible bidder for an Agreement, if it is deemed to be in the interest of the UNIVERSITY.

Quality of service during the probationary period is to be representative of the quality CONTRACTOR will

provide during the entire Agreement period. Each campus will establish a performance evaluation meeting schedule with CONTRACTOR.

2. USAGE

2.1 Agreement Utilization

The UNIVERSITY System recognizes CONTRACTOR as a preferred source for processes and services awarded under this Agreement. This Agreement is not intended to be an exclusive Agreement for purchases by the UNIVERSITY or the National Laboratories. The UNIVERSITY retains all rights to purchase like items and services from other sources, when considered to be in the best interest of the UNIVERSITY.

Usage to be on an as needed basis.

Failure of the UNIVERSITY to purchase estimated quantities shall not constitute either a breach of this Agreement or grounds for termination or cancellation of this Agreement.

Initially participating campuses are University of California, Riverside (UCR), University of California, San Francisco (UCSF), University of California, Berkeley (UCB), University of California, Davis (UCD), and University of California, San Diego (UCSD).

Campuses, at their sole option, that reserve the right to participate in the Agreement at some future date are the University of California, Santa Barbara (UCSB), University of California, Irvine (UCI), University of California, Santa Cruz (UCSC), and University of California, Los Angeles (UCLA).

Lawrence Berkeley and Lawrence Livermore National Laboratories are authorized to utilize this Agreement. Each of the National Laboratories, acting on an independent basis, will declare within sixty days of the implementation of any resulting Agreements, their intention to either fully or partially participate in this Agreement under the terms and conditions solicited or to exclude themselves from such participation. The UNIVERSITY reserves the right during the term of this Agreement to add or delete UNIVERSITY affiliates by providing written notice of said intent to CONTRACTOR.

At the present time, and in no way binding, the Lawrence Livermore National Laboratory and Lawrence Berkeley National Laboratory intend to utilize this Agreement for the waste streams described in Attachment 2 (Campus Specific Requirements).

2.2 Quantity Estimates

The UNIVERSITY estimates the annual usage for the initial term of this Agreement to be as noted on Attachment 1 of RFP083SF044. The UNIVERSITY shall not be bound to this estimate.

Estimated weights and volume are provided *only* as a guideline for preparing the quote/proposal, and are not a guarantee by the UNIVERSITY to dispose of more or less than the estimated volume. Variations between actual volumes and estimated volumes do not warrant future price changes.

The Block Description Attachment describes UNIVERSITY waste streams in terms of Blocks. For

purposes of this Agreement each waste stream is a considered a waste category.

The UNIVERSITY has estimated the annual volume generated for each waste stream. This is indicated in Column 3 as the "estimated annual usage," or EAU. This volume is not a guaranteed volume, rather it is a projection based upon campus size, history, and both current and future waste management practices. Agreement Utilization- not all UNIVERSITY campuses are participating in this Agreement. The estimated annual volumes for non-participating campuses are listed for prospective CONTRACTORS to understand the potential Agreement volume.

The UNIVERSITY has indicated the preferred disposal method(s) in Column 4.

3. PRICING

3.1 Pricing Structure

UNIVERSITY shall pay CONTRACTOR for services rendered in accordance with fees stated in CONTRACTOR's submittal response to RFP083SF044, a copy of which is attached and incorporated herein as if fully written out.

Schedule of Charges pertains to all hazardous wastes received by CONTRACTOR for processing, recycling and or disposal. Pricing included in the Schedule of Charges are:

a) Packaging and removal at UNIVERSITY's location (full service)
b) Transportation by CONTRACTOR
c) Processing and treatment (including handling and disposal of containers)
) Disposal
e) General labor, including miscellaneous waste management duties such as lab packing and any necessary profiling, manifesting, or other documentation associated with proper waste disposal. Includes labor and materials to prepare work site and cleanup to previous site condition

All lab pack (LP) prices billed on a per pound basis shall be invoiced based upon the net weight (see Net Weight definition).

Bulk solids are billed on a per pound basis on the weight of the internal waste material only, excluding the outer shipping container.

Non-lab pack or bulk liquids are billed on a per gallon basis based on the volume of liquid in the container. Drums shall be considered to have a 10% head space, regardless of container size, example: a 55 gallon drum would be considered to contain a maximum of 49.5 gallons.

Compressed gas cylinders shall be invoiced on a per piece basis.

Pricing quoted in this Agreement is inclusive of all costs. The UNIVERSITY will not pay any undisclosed fees in this Agreement.

3.1.1 Discounts

In addition to items specifically contracted for, UNIVERSITY is entitled to purchase under this Agreement any item or service offered commercially by CONTRACTOR. Pricing shall be at the same discount level(s), terms and conditions offered to the UNIVERSITY on items or services listed herein or attached hereto unless otherwise stated. Pricing for other products and services are to be quoted from CONTRACTOR's current price list at time of shipment less applicable discount.

3.1.2 Basis for Price Adjustments

The UNIVERSITY accepts CONTRACTOR's offer of any price declines during the period of this Agreement, effective at the time of announcement of said price decline(s).

Price increases arising from governmentally imposed fees or charges shall be passed through to the UNIVERSITY immediately upon written notice of the same.

All Rate increases during the term of this Agreement must be in writing and must be accompanied by supporting documents.

The maximum price increase in any twelve (12) month pricing period shall be 3.5 percent (3.5%) or the rate of inflation in the Consumer Price Index (CPI) for the United States, whichever is less. Prices shall be adjusted no more than once every twelve months.

Ninety (90) days advance written notice of annual price adjustment must be sent to Attn.: Planned Purchasing and reference the Systemwide Agreement Number. The UNIVERSITY must approve any price adjustment prior to its effective date. The UNIVERSITY reserves the right to negotiate the amount of price adjustment if, in the opinion of the UNIVERSITY, the price adjustment is excessive.

3.1.3 Special Pricing

The UNIVERSITY shall receive the benefit of any promotional and or quantity discounts offered to other customers during this Agreement period if such discounts would result in a lower selling price to the UNIVERSITY.

3.2 Price Protection and Certification

Pricing of an order is to be based on the *date the order for the service request is placed* as opposed to prices in effect at time of delivery or service.

Should CONTRACTOR, during the term of the Agreement, sell material and or service in similar quantity to any other domestic consumer at a lower price, determined on a delivered basis, than in effect hereunder, then UNIVERSITY shall receive the benefit of such lower price on all shipments and service made while such lower price(s) is effective. CONTRACTOR is obligated to notify the UNIVERSITY of such a lower price agreement. This paragraph shall not apply to any agreement , contract or purchase order entered into with any UNIVERSITY campus or participating affiliate before the effective date of the Agreement.

Termination of any existing campus contract by CONTRACTOR during the term of the Agreement may demonstrate an unacceptable record by the CONTRACTOR and may provide a basis for the termination by the UNIVERSITY under Section 6.5.2 or this Section.

CONTRACTOR shall pay each employee on national laboratory work not less than the general prevailing wage rate in effect in the locality in which the work is done.

UNIVERSITY reserves the right to purchase services elsewhere after the initial pricing period, if price changes submitted for future pricing periods are deemed unacceptable, or if the quality of services is determined to be unacceptable by the UNIVERSITY. Prices must by deemed reasonable and not excessive by the UNIVERSITY on a campus by campus basis for each block category.

CONTRACTOR warrants to the best of its knowledge that the prices offered herein are equal to or are the lowest offered to any customer.

3.3 Freight and Handling Charges

All goods shall be F.O.B. UNIVERSITY facility, freight prepaid and allowed inbound and outbound (UNIVERSITY is not responsible for paying freight charges), price is to include handling, refrigeration (including dry ice), packaging and shipping related charges.

3.4 Returned Goods

CONTRACTOR shall be financially responsible for all labor, materials, transportation, analytical laboratory fees, final disposal and other related charges incurred on any waste rejected at processing or disposal facilities for waste packaged or pre-approved by the CONTRACTOR.

3.5 Taxes

Tax status may vary, depending upon the nature of the funding source. Goods purchased with Federal funds, whereby title for goods passes directly to the government, are tax exempt. The UNIVERSITY person placing the purchase order will advise CONTRACTOR if the order is tax exempt. If no notification on tax status is given to CONTRACTOR, CONTRACTOR shall consider the products to be taxable and services to be not taxable. CONTRACTOR's quotes shall include all applicable taxes.

4. INVOICING

Invoicing shall meet the following requirements:

- Invoices shall be net Agreement pricing, only. Invoices must show the UNIVERSITY reference purchase order number and be submitted in duplicate to UNIVERSITY, in arrears.
- Applicable tax must be shown as a separate line item.
- To ensure prompt payment, invoice must match the Agreement pricing.
- Billing address to be specified by UNIVERSITY Campus EH&S Officer at time of order.
- Invoices shall be organized and formatted such that line item pricing corresponds specifically to line items for specific manifest numbers, container packing and inventory documentation. Formatting must allow for easy verification of pricing on an item by item basis. The following information, in spreadsheet form, must accompany invoicing for each shipping container. Campuses are to be provided spreadsheets containing items 1-6 from the following list, additional fields from items 7-11, shall be provided if requested:

1. Manifest number
2. Container numbers
3. Net weight, or gallons bulk liquid, of hazardous waste in each shipping container
4. Gross weight of each shipping container
5. Cost/unit by waste type and service level (full service or T&D)
6. Total cost
7. Line items on manifest applicable to each container
8. Shipping container size and type
9. Hazardous waste description for each container
10. TSDF destination
11. Disposal method

Accurate invoicing is important to the UNIVERSITY. If, during the course of business, the UNIVERSITY discovers that overcharges have occurred on invoices, CONTRACTOR agrees to reimburse the amount of the overcharge plus pay the UNIVERSITY a sum equal to overcharge to cover liquidated damages. Inaccurate invoices will be rejected.

4.1 Payment Terms

Standard payment terms are Net 30 days after receipt of goods or services and final acceptance or invoice, whichever is later. Final acceptance is when hazardous waste material has been removed from the UNIVERSITY's site and the UNIVERSITY has received a copy of TSDF signed manifest by the final disposal site for the order.

4.2 Timely Notification of Past Due Invoices

JNIVERSITY monies are typically allocated for specific fund years, therefore failure to have invoices paid and cleared during a specific period of time may result in the loss of said monies to the UNIVERSITY. Therefore, the UNIVERSITY requires the CONTRACTOR take responsibility for notifying the UNIVERSITY when an invoice is over 90 days past due. Invoices older than six months for which the UNIVERSITY has not been previously notified in writing, will not be considered for payment.

A telephone call and a confirming letter specifying that the invoice numbers named are past due is necessary since the UNIVERSITY does not pay from Statements.

5. SPECIFICATIONS

5.1 Scope of Work

The work described below will vary depending on the site and campus where the wastes are generated. Each UC campus, laboratory or field station may have localized specifications such as scheduling, response time, pick-up locations, record keeping requirements, special reports, tracking and invoicing. A campus may request CONTRACTOR to provide Agreement pricing for support services.

Work shall consist of packing (if requested by a Campus), transportation and disposal of UNIVERSITY hazardous wastes, including a wide variety of chemicals from research and instructional laboratories and medical centers. It also includes wastes from campus services such as: paint shops, machine shops,

transportation services (automotive and equipment repair), plating shops, agriculture stations, building and boiler maintenance, electrical maintenance, carpenter shops, and light bulb replacements.

Lab packs leaving the University for disposal must not be broken apart prior to receival at the final treatment/disposal site, but each drum and 100% of its contents must be disposed of using the method approved by the University unless prior approval is received from the University's technical Representative. If a lab pack is broken apart, each item must be tracked separately, unless the lab pack is repackaged, containing only items it originally contained. Lab pack repackaging shall not be done without expressed written prior approval from the UNIVERSITY.

Required work may include a varying degree of lab pack and bulking services at each Campus. Some UNIVERSITY sites may only require transportation and disposal of hazardous waste lab packed by the UNIVERSITY. Other UNIVERSITY sites may require "full service"(see Section 2. Definitions) or a combination of both.

A Campus may request CONTRACTOR to provide Agreement pricing for labor and equipment for cleaning up hazardous material releases resulting from emergency spill situations.

A Campus may request CONTRACTOR to provide Agreement pricing for consulting services in matters of disposal of hazardous wastes. CONTRACTOR shall provide routine inquiries regarding packaging, profiling, manifesting, transporting, and disposal, re-using, or recycling at no charge.

Waste Analytical Testing

If required to perform waste analyses testing, CONTRACTOR shall provide to the UNIVERSITY, analytical documentation of all tests; including type of test, method, date and time, results, location of tests and person performing tests. UNIVERSITY shall not be charged for routine or mandatory testing (e.g., Btu and pH analysis) required to process or dispose of UNIVERSITY waste. CONTRACTOR shall obtain verbal UNIVERSITY approval by the EH&S Officer prior to performing any waste analysis to be charged to the UNIVERSITY.

Treatment/Disposal Method

It is the UNIVERSITY's desire to use the most environmentally safe and cost effective U.S. Environmental Protection Agency (USEPA) and California EPA (Cal/EPA) approved methods for the disposition of its waste, prioritized as follows:

1). Recycle/Recovery
2). Chemical or biological Treatment/Neutralization
3). Incineration and Destruction
4). Stabilization/Landfill in residuals Repository

Packaging, transportation, removal, treatment and disposal of all hazardous wastes shall be in accordance with all applicable local, State and Federal Laws and regulations.
Waste materials shall not be disposed of by deep well injection. All TSDF sites must be within the continental United States.

CONTRACTOR shall return the TSDF copy of the manifest to the UNIVERSITY within thirty (30) calendar days. CONTRACTOR shall supply a Certificate of Destruction, Certificate of Disposal, or Certificate of Recycling within one calendar year for each container shipped from any UNIVERSITY site. Failure to provide the Certificate of Destruction, Certificate of Disposal or Certification of Recycling within one calendar year shall result in liquidated damages equal to 10% of CONTRACTOR's invoice charge for said waste disposal for each month the certificate is delinquent.

5.1.1 Sales Service and Support

CONTRACTOR shall consult with each Campus EH&S Officer or UNIVERSITY affiliate to establish a frequency for sales and service calls.

5.1.2 Technical Service and Support

CONTRACTOR shall provide to each Campus, within 15 days of Agreement start date, a list of personnel servicing the Campus, including drivers. Attached to the listing shall be the qualifications, training, licenses, and permits associated with each of the staff listed. UNIVERSITY Campuses shall be advised in writing on a timely basis (within 7 days of change in CONTRACTOR personnel) if personnel are to be changed. CONTRACTOR personnel turnover results in additional site specific training and loss of efficiencies. therefore, CONTRACTOR will discount the rate charged for new personnel by half during the first week each time CONTRACTOR replaces existing personnel. This applies to general labor personnel exceeding 20 hours per week at a UNIVERSITY site. These listings shall be updated every 12 months and provided to the appropriate Campus EH&S Officer.

CONTRACTOR agrees to report, within 24 hours, to the respective Campus EH&S Officer any injuries occurring during the normal course of work for the UNIVERSITY on UNIVERSITY premises or while waste is in transit.

5.1.3 Special Projects and Standard Hours of Operation

UNIVERSITY's hours of operation are site specific, however generally from 8:00 am to 5:00 p.m. Pacific Time, Monday through Friday, excluding National holidays. Hours of operation may vary somewhat at the National Laboratories. All routine business except for emergency response are to be conducted during these times unless the UNIVERSITY specifies other times. (CONTRACTOR must obtain written approval from a EH&S Officer to operate outside of these hours.)

Premium rates will not be paid unless agreed upon by the Campus EH&S Officer in advance of work performed. The UNIVERSITY considers overtime work as work in excess of 8 consecutive hours in one day or work on weekends and National holidays. Travel time is included in CONTRACTOR's hourly rates and is at no additional charge.

<u>On-site Service</u>

CONTRACTOR shall have a minimum of two crew members on site at all times or as specified by site specification for handling hazardous waste. Both crew members (including the on site supervisor) must be familiar with the specific UNIVERSITY Campus locations, packaging, shipping and disposal operations.

All crew will be on site at the agreed upon time. Daily work schedule for CONTRACTOR's crew on site and for off site shipments will be established in consultation with each Campus EH&S Officer.

5.1.4 Response Time

Waste streams requiring a new profile must be removed from job sites within a mutually agreed upon time, but not more than 10 working days after the necessary approvals and permits have been obtained, and within a total of 20 working days of receipt of individual telephone or written orders. Waste streams not requiring new profiles must be removed from jobsites within a mutually agreed upon time, but not more than 10 working days of receipt of individual telephone or written orders.

5.1.5 Personnel

Approval of all Subcontractors and Contractor's Crew

The UNIVERSITY reserves the right to approve all subcontractors and CONTRACTOR's crew used in the performance of this Agreement.

Recruitment of Personnel

The UNIVERSITY has a policy of open personnel recruitment, which includes posting of position vacancies by notices, flyers and advertisements. Individuals from CONTRACTOR's employ may, therefore, learn of such openings and may apply and will be considered for employment in the same manner as any other job applicant. However, the UNIVERSITY agrees not to have "targeted" or directed recruitment toward individuals employed by CONTRACTOR.

In the event an individual employed by CONTRACTOR obtains UNIVERSITY employment through the open recruitment process, the UNIVERSITY agrees not to begin such employment until a minimum of thirty (30) days after the individual has given the CONTRACTOR written notice of intent to accept UNIVERSITY employment. This is in lieu of any amount otherwise charged as a placement or recruitment fee by CONTRACTOR and shall completely discharge and release the UNIVERSITY from and against any claim for placement, recruitment or similar fees.

5.2 Technical Specifications

Operation Plan - CONTRACTOR is required to provide each Campus EH&S Officer with a current site specific Operation Plan describing the operations necessary to package, remove, transfer, treat and dispose of waste. At a minimum the plan must include the following:

1) The Spill Control and Countermeasure (SCC) Plan.
2) The primary and secondary pick-up routes to, and departure routes from the UNIVERSITY locations serviced.
3) The planned pathway of treatment and disposal of each waste stream including planned route(s) of transport, the routes to and from any Transfer, Storage, Treatment/Disposal or other facility, final disposal at approved landfill facilities, and a detailed description of the planned activities at those sites, including co-mingling and recycling of hazardous waste.
4) The identification of all facilities to be used by CONTRACTOR. Information provided shall include the EPA Identification Number, trade name, address, phone number, hours of operation, description of operation and ownership.
5) The time required from removal to final disposal, for the waste, on any given day.
6) A Contingency Plan, including complete information on back-up facilities and procedures, and the conditions under which they would be implemented.

7) All participating CONTRACTOR employees must have read and signed CONTRACTOR's Operation Plan and the UNIVERSITY's contingency plan.

CONTRACTOR must inform the UNIVERSITY in writing at least seven (7) working days of any changes in the Operation Plan before such changes take place. Any unforeseen occurrences which result either in implementation of the Contingency Plan or deviation from the Operation Plan must be communicated to the Campus EH&S Officer within 24 hours of such an occurrence.

5.2.1 Product Specifications

Each UNIVERSITY Campus, Laboratory or field station may have localized specifications or requirements such as scheduling, response time, pick-up locations, security, record keeping requirements, and invoicing. *See Attachment 2 for specific campus requirements.*

5.2.2 Performance Guarantee /Compliance Level

Clean up of hazardous waste spills must meet the satisfaction of the Campus EH&S Officer. Clean up includes housekeeping of the shipment preparation area to a condition equal to what existed prior to CONTRACTOR's arrival on site.

CONTRACTOR must package, ship and dispose of waste in the most cost effective legal manner. CONTRACTOR shall follow CONTRACTOR's written Operation Plan for packaging, shipping and disposal options used for UNIVERSITY waste, a copy shall be provided to each Campus EH&S Officer. The UNIVERSITY reserves the right and option to disapprove of the use of a particular treatment and or disposal site prior to transportation of hazardous waste to the site.

CONTRACTOR agrees to use only motor carriers that meet the applicable the Department of Energy's Motor Carrier Evaluation Program to transport UNIVERSITY hazardous waste. CONTRACTOR shall not utilize motor carriers that have failed to be successfully evaluated under the Department of Energy's Motor Carrier Evaluation Program criteria.

5.2.3 Qualifications of Personnel

The UNIVERSITY is not to be used as a training ground for CONTRACTOR's crew.

CONTRACTOR or CONTRACTOR's subcontractor crew member(s) shall have a minimum of 2 years experience in job duties performed, unless specifically agreed upon by the EH&S Officer in advance of work performed.

5.2.4 Permitting and Licensure

Copies of all operating permits and licenses shall be provided to each Campus EH&S Officer and kept current. CONTRACTOR agrees to notify each Campus EH&S Officer in writing if:

1) CONTRACTOR is served with notice of a violation of any law, regulation, permit or license which relate to service(s);

2) Proceedings are commenced which could lead to revocation of permits or licenses which relate to service(s);

3) Permits, licenses or other governmental authorization relating to service(s) are revoked;

4) Litigation is commenced against CONTRACTOR which could affect the service(s);

5) CONTRACTOR becomes aware that its equipment or facilities are not in compliance with applicable laws, regulations, permits or licenses.

CONTRACTOR must possess and maintain, all appropriate licenses, certificates and permits applicable to this Agreement.

5.2.5 Management Reports

The reports required of CONTRACTOR are an essential component of this Agreement. The reports aid in the measuring of performance and gauging the level of satisfaction by the UNIVERSITY as a customer. The UNIVERSITY has established minimum reporting guidelines.. The applicable reports are due on the date specified and in the format requested. Failure to consistently meet these reporting requirements will be basis for cancellation for cause under *Termination of Contact.* All reports are to be Campus specific and provided to Campus EH&S Officer. The UNIVERSITY may request the reports to be provided on various electronic media compatible with UNIVERSITY computer hardware and software. Suppliers are expected to comply with this request. Reports provided become the property of the UNIVERSITY.

CONTRACTOR shall consider all reports and UNIVERSITY data confidential and shall not distribute to any entity without the written permission of the UNIVERSITY.

CONTRACTOR shall furnish an annual usage report for each Campus and a summary report to the UNIVERSITY of California Office of the President EH&S Office and Planned Purchasing (see Part C, 7. Contacts with University Management). Timely submittal of reports is critical to the continuation of this Agreement. In a summary report CONTRACTOR is to identify savings and value added services attributed to this Agreement on an annualized basis. Reports are due July 20 of each calendar year, including the first six months of the initial Agreement.

CONTRACTOR shall also furnish information to complete reports required by the Hazardous Waste Source Reduction and Management Review Act of 1989 (SB 14) and provide each campus with the data required to complete the U.S. EPA Biennial Report. CONTRACTOR may be required to provide data to satisfy other legal reporting requirements of the UNIVERSITY.

Reports for the UNIVERSITY shall be at no additional cost to the UNIVERSITY.

The UNIVERSITY expects all areas of its relationship with the CONTRACTOR partner to be quantitatively assessed and managed for service, proficiency, efficiency and effectiveness. Therefore, the UNIVERSITY requires the CONTRACTOR's Total Quality Management (TQM) program to proactively monitor the total quality of its services to the UNIVERSITY, and implement programs which take action to improve or enhance the level of quality and customer satisfaction provided.

5.3 Warranties

The goods and services furnished under this Agreement shall be the most favorable commercial warranties

CONTRACTOR offers to any customer for the same or substantially similar goods and services.

CONTRACTOR warrants that the TSDF sites utilized are in compliance with applicable federal, state and local laws, rules and regulations, are suitable to receive, and may lawfully receive, the specific hazardous materials and wastes delivered to it.

CONTRACTOR agrees that it shall immediately notify the UNIVERSITY if any TSDF is uses fails to comply with applicable laws, rules or regulations, or becomes unsuitable to receive the hazardous materials and waste delivered to it.

CONTRACTOR warrants that in the event of an accidental discharge or release of hazardous materials, CONTRACTOR shall, with due diligence, take immediate steps as required by federal, state, and local laws and regulations, and shall immediately notify the UNIVERSITY of all details regarding the accidental discharge or release of UNIVERSITY generated waste. CONTRACTOR shall only permit appropriate personnel within its company to make public statements, or issue news releases regarding the accidental discharge and CONTRACTOR specifically agrees that on any such occasions to consult with the UNIVERSITY before making any public statements or issuing any press statements which would identify the UNIVERSITY by name.

5.4 Delivery Requirements

5.4.1 Order Placement
CONTRACTOR will accept verbal order releases against this Agreement.

The UNIVERSITY shall have the right to cancel an item or service that has not or cannot be shipped in full as ordered within the agreed upon delivery time, and to reorder the item or items from another supplier.

5.4.2 Authorizations
All revised releases or services requested require approval of the Campus EH&S Officer.
5.4.3 Service Schedule
CONTRACTOR shall provide support services in accordance with Attachment 5 Support Services and Attachment 2 for each site. CONTRACTOR is expected to provide service on occasion within 24 hours of a request.

CONTRACTOR agrees to remove all hazardous waste containers from UNIVERSITY premises according to a mutually agreed upon schedule for each location.

5.4.4 Order Size
No minimum order quantity for waste pickup.

5.4.5 Delivery Site/Location
Treatment/Disposal Sites
All designated hazardous waste treatment/disposal sites must have appropriate approvals, permits and licenses as required by federal, state and local governments. CONTRACTOR shall identify for the UNIVERSITY the proposed and alternate sites to be used during the term of any resultant Agreement . Any

change of treatment/disposal sites after the awarding of this Agreement must be approved by the UNIVERSITY in writing.

Contractor shall avoid shipping during traffic rush hours, generally between 7-9 a.m. and 4-6 p.m., if requested.

5.4.6 Inspection
The UNIVERSITY reserves the right to perform an on site audit of all Transfer, Storage and Treatment/ Disposal Facilities and transporters operated and/or utilized by the CONTRACTOR.

5.4.7 Special Delivery Instructions/Requirements
CONTRACTOR shall certify that all drivers who service UNIVERSITY sites, have current, valid California Drivers License with current Hazardous Materials Endorsements. The endorsement must meet the criteria for each type of vehicle driven (air brakes, dual axles, etc.). Each driver must be enrolled in the California Department of Motor Vehicles "Pull Notice Program" and maintain records for the term of this Agreement. CONTRACTOR shall comply with the U.S. Department of Transportation, Alcohol and Drug Testing rules and regulations.

CONTRACTOR drivers shall follow all federal, state and local laws, rules, and regulations and will notify the UNIVERSITY of any accidents, spills or releases while transporting its waste. CONTRACTOR may be required to follow designated routes specified by the UNIVERSITY.

Each vehicle or trailer used to haul the UNIVERSITY waste must have all applicable hazardous waste hauler permits.

Each vehicle or trailer used to haul the UNIVERSITY waste must be equipped with emergency response equipment and materials to handle a spill or release of the waste being transported.

5.4.8 Packaging
CONTRACTOR shall give 30 days written notice to UNIVERSITY of any change in packaging requirements covered by this Agreement of which the CONTRACTOR has knowledge.

All waste containers and shipping containers (prior to transport) shall be weighed using accurate and calibrated scales. CONTRACTOR shall provide each Campus EH&S Officer with calibration certifications for all scales used to weigh UNIVERSITY waste for invoicing purposes. Scales shall be calibrated every six months. Each UNIVERSITY campus retains the right to allow alternatively CONTRACTOR may use UNIVERSITY obtained weights. CONTRACTOR may be required to bring a bench scale to some sites.

CONTRACTOR agrees to provide certification that CONTRACTOR supplied containers are in compliance with DOT regulations.

UNIVERSITY reserves the right and option to supply containers for use by CONTRACTOR for disposal of UNIVERSITY hazardous waste materials. If the UNIVERSITY furnishes a container for Full Service work, CONTRACTOR agrees to reimburse the UNIVERSITY for the cost of the container.

5.4.9 Documentation

All waste to be shipped will be designated by tracking numbers and legibly recorded on inventory packing documents to the satisfaction of the Campus EH&S Officer.

6. GENERAL CONDITIONS

6.1 Other

The UNIVERSITY publishes Campus Contracts and Systemwide Agreements on the Internet under a World Wide Web site with restricted access for use by the UNIVERSITY OF CALIFORNIA. The UNIVERSITY is a public agency and does not consider pricing as confidential information once a Contract or Agreement has been awarded. Protection of proprietary information and business secrets is described in Part C, Section 8 of RFP083SF044.

6.1.1 Late Interest Charges

Payments for UNIVERSITY purchases under this Agreement shall not be subject to any late charges or interest charges.

6.1.2 Loss of Equipment

The UNIVERSITY will not be responsible for the loss of equipment or materials left on UNIVERSITY premises by a vendor during the performance of work covered by the purchase Agreement.

6.1.3 No Free Parking

No free parking facilities are provided by the UNIVERSITY for CONTRACTOR or CONTRACTOR's subcontractors vehicles or employees.

UNIVERSITY may require vehicles parked on UNIVERSITY property be registered and be subject to the fees established by each Campus. Instructions and recommendations for parking will be provided to the CONTRACTOR by each Campus.

6.1.4 Ethics

CONTRACTOR shall comply with UNIVERSITY policies on gifts and gratuities.

CONTRACTOR shall exercise reasonable care and diligence to prevent any action or conditions which could result in a conflict with the UNIVERSITY's interest. During the term of this Agreement, CONTRACTOR shall not accept any employment or engage in any work which creates a conflict of interest with the UNIVERSITY or in any way compromises the work to be performed under this Agreement. CONTRACTOR and or its employees shall not offer substantial gifts, entertainment, payments, loans, or other consideration to UNIVERSITY employees, their families, other CONTRACTORS, subcontractors, and other third parties for the purpose of influencing such persons to act contrary to the UNIVERSITY's interest. CONTRACTOR shall immediately notify the UNIVERSITY of any and all such violations of this clause upon becoming aware of such violations.

6.1.5 Right to Know Legislation

CONTRACTOR shall comply with all enacted "right to know" legislation and all requirements established

by the State of California, Federal and local governments pertaining to chemicals and hazardous substances, including those issued by California Occupational Safety Health Administration (Cal OSHA), Occupational Safety Health Administration (OSHA), USEPA and Cal/EPA.

6.1.6 Relationship of Parties

Nothing herein shall be construed to place the parties in the relationship of agent, partners or joint ventures or employer-employee and neither shall have the right to obligate or bind the other party in any matter whatsoever.

6.1.7 Indemnification

UNIVERSITY shall defend, indemnify and hold CONTRACTOR, its officers, agents, and employees harmless from and against any and all liability, loss, expense, including reasonable attorney's fees, or claims for injury or damages arising out of the performance of this Agreement but only in proportion to and to the extent such liability, loss, expense, attorney's fees, or claims for injury or damages are caused by or result from the negligent or intentional acts or omissions of UNIVERSITY, its officers, agents or employees.

CONTRACTOR shall defend, indemnify and hold UNIVERSITY, its officers, agents, and employees harmless from and against any and all liability, loss, expense, including reasonable attorney's fees, or claims for injury or damages arising out of the performance of this Agreement but only in proportion to and to the extent such liability, loss, expense, attorney's fees, or claims for injury or damages are caused by or result from the negligent or intentional acts or omissions of CONTRACTOR, its officers, agents or employees.

6.1.8 Contacts with University Management

U.S. Mail:

Dave Kolsom, Purchasing Manager
Procurement and Business Contracts Unit
UNIVERSITY OF CALIFORNIA, Berkeley
MC5600
Berkeley, CA 94720-5600
Phone: 510-643-5709; fax 510-642-8604

or Express Mail:

6701 San Pablo Ave., Suite #218
Oakland, CA 94608-1239

Direct Systemwide technical queries to:

David Belk, UC Office of the President
300 Lakeside Dr., 12th Floor
Oakland, CA 94612
510-987-9588/fax 510-987-0752

6.2 Insurance Requirements

CONTRACTOR shall provide UNIVERSITY with certification, by a properly qualified representative of the insurer, that CONTRACTOR's insurance complies with the requirements of this section. In addition, such certification shall describe each of the coverages below and on the attached Appendix A which must be written on an "occurrence" form.

Comprehensive or Commercial Form General Liability Insurance (contractual liability included and products and completed operation included) minimum limits $5,000,000 per occurrence and in the aggregate.

Pollution or environmental impairment liability with a limit of $5,000,000 per occurrence and in the aggregate.

Business Automobile Liability (owned, scheduled, non-owned, or hired automobiles) with a combined single limit of no less than $5,000,000 per occurrence and in the aggregate.

All insurance will provide for a Waiver of Subrogation waiving any right of recovery against the UNIVERSITY.

The term "the Insured" is hereby used severally and not collectively, but the inclusion herein of more than one insured shall not operate to increase the limits of the insurer's or insurers' liability.

In the event of claims being made under any of the coverages of the policy or policies referred to herein by one or more insureds hereunder for which another or other insured hereunder may be liable, then the policy or policies shall cover such insured or insureds against whom a claim is made or may be made in the same manner as if separate policies had been issued to each insured hereunder. Nothing contained herein, however, shall operate to increase the insurer's or insurers' limits of liability as set forth in the insuring agreements.

The insurance evidenced shall be primary insurance and not excess over or contributory with any other insurance or self-insurance of the UNIVERSITY.

All insurance policies required shall be issued by companies who hold a current Policyholder's Alphabetic and Financial Size Category Rating of not less than A XIII according to Bests Insurance Reports.

CONTRACTOR shall not start work until all certificates of insurance have been provided to the UNIVERSITY. CONTRACTOR hereby agrees that no payment shall be made by the UNIVERSITY until UNIVERSITY is in receipt of CONTRACTOR's insurance certificate. All insurance coverages and carriers are subject to the approval of the UNIVERSITY.

The terms of Appendix "A" require that certificates must be issued naming THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, and depending on where the work is performed, the United States Government, as an additional insured.

6.3 Agreement Administration

All changes to the pricing or terms and conditions for this Agreement shall be done by a Agreement Supplement (Change Order). CONTRACTOR may request a change in rates or terms and conditions by submitting a written request to the UNIVERSITY. If the UNIVERSITY concurs with the request, an Agreement Supplement will be issued.

6.4 Record Keeping and Auditing

This Agreement shall be subject to the examination and audit of the Auditor General of the State of California, United States Department of Energy (DOE) and UNIVERSITY Planned Purchasing Materiel Management for a period of three years after final payment under this Agreement. The examination and audit shall be confined to those matters connected with the performance of this Agreement, including, but not limited to, the costs of administering this Agreement.

Until the expiration of four years after the furnishing of the services provided under this Agreement, CONTRACTOR will make available to the Secretary, U.S. Department of Health and Human Services, the U.S. Controller General, and their representatives, the Agreement and all books, documents and records necessary to certify the nature and extent of the costs of those services. If CONTRACTOR carries out the duties of this Agreement through a subcontract worth $10,000 or more over a 12 month period with a related organization, the subcontract will also contain an access clause to permit access by the Secretary, Controller General, and their representatives to the related organization's books and records.

6.5 Terms and Conditions

Purchase orders/order releases issued for goods or services covered by this Agreement shall be governed by RFP083SF044, RFP083SF044 Amendment 1, RFP083SF044 Amendment 2, the UNIVERSITY Terms and Conditions of Appendix A, Supplement 3, Supplement 5, CONTRACTOR's bid response submittal and bid response correspondence to RFP083SF044 and general provisions stated herein only, incorporated herein as if fully written out. In the event of conflict, the terms and conditions of the UNIVERSITY shall take precedence over CONTRACTOR's RFP083SF044 bid submittal response. Any different or additional terms contained in CONTRACTOR's purchase acknowledgment, or other document(s), are unacceptable to the UNIVERSITY and will be rejected.

Special Terms and Conditions for National Laboratories

The following modification of terms and conditions shall apply only to the National Laboratories.

CONTRACTOR shall comply with The Service Contract Act.

Article 9 - INDEMNITY

In Paragraph A. General, Paragraph B Proprietary Rights, and Paragraph C Products, the terms "University" or "University's" are used, these terms are replaced with "University or U. S. Government" or "University's or U. S. Government" respectively.

ARTICLE 16 - INSURANCE

In Paragraph B., the last sentence, change "University" to "University and U. S. Government".

In the last Paragraph of Article 16, change "The Regents of the University of California" to "The Regents of

the University of California and U. S. Government".

ARTICLE 20 - TAXES
In the last Paragraph of Article 16, change "University" to "University and U. S. Government".

ARTICLE 23 - CLAUSES INCORPORATED BY REFERENCE
The FAR and DEAR clauses listed below, which are located in Chapters 1 and 9, respectively, of Title 48 of the Code of Federal Regulations, will be incorporated by reference as a part of this Agreement, for all work performed at the request of the National Laboratories, as prescribed below. As used in the clauses, the term "contract" shall mean the "Agreement"; the term "subcontractor" shall mean the CONTRACTOR's "subcontractor", and the terms "Government" and "Contracting Officer" shall mean the UNIVERSITY.

The CONTRACTOR shall include the listed clauses in its subcontracts at any tier for the work requested, to the extent applicable.

FAR 52.219-8 UTILIZATION OF SMALL, SMALL DISADVANTAGED AND WOMEN-OWNED SMALL BUSINESS CONCERNS (OCT. 1995), if the requested work exceeds $500,000

FAR 52.219-9 SMALL, SMALL DISADVANTAGED AND WOMEN-OWNED BUSINESS SUBCONTRACTING PLAN (OCT. 1995), if the requested work exceeds $500,000, unless the CONTRACTOR is a small business or there are no subcontracting possibilities

FAR 52.222-26 EQUAL OPPORTUNITY (APR. 1984)

FAR 52.222-35 AFFIRMATIVE ACTION FOR SPECIAL DISABLED AND VIETNAM ERA VETERANS (APR. 1984), if the requested work exceeds $10,000

FAR 52.222-36 AFFIRMATIVE ACTION FOR HANDICAPPED WORKERS (APR. 1984), if the requested work exceeds $2,500

FAR 52.227-1 AUTHORIZATION AND CONSENT (JUL. 1995), if the requested work is for services

FAR 52.227-3 PATENT INDEMNITY (APR. 1984), if the requested work is for services

FAR 52.244-6 SUBCONTRACTS FOR COMMERCIAL ITEMS AND COMMERCIAL COMPONENTS (OCT. 1995)

6.5.1 Product Liability Indemnity Provision

CONTRACTOR shall fully indemnify, defend, and hold harmless UNIVERSITY, its officers, agents, and employees from and against any and all claims, action, and liability, for injury, death, and property damage, arising out of the dispensing or use of any of the CONTRACTOR's products and services provided under authorized UNIVERSITY orders. In addition to the liability imposed by law on the CONTRACTOR for damage or injury (including death) to persons or property by reason of the negligence, willful acts or omissions, or strict liability of the CONTRACTOR or his agents, which liability is not impaired or otherwise affected hereby, the CONTRACTOR hereby assumes liability for and agrees to save UNIVERSITY harmless and indemnify it from every expense, liability or payment by reason of any damage or injury (including death) to persons or property suffered or claimed to have been suffered through any act or omission of the CONTRACTOR. The UNIVERSITY agrees to provide CONTRACTOR with prompt notice of any such claims and to permit CONTRACTOR to defend any claim or suit, and that it will

cooperate fully in such defense.

6.5.2 Termination of Agreement

This Agreement may be terminated by UNIVERSITY or CONTRACTOR for convenience in whole or in part at any time in accordance with the terms of Article 4 of the attached Appendix A. In the event of such termination, both parties agree to provide at least ninety (90) days prior written notice of the effective date of termination and the extent thereof.

If within ten (10) calendar days of receipt of written notice to CONTRACTOR from UNIVERSITY of CONTRACTOR's breach of any term or condition of this Agreement, CONTRACTOR shall fail to remedy such breach, then UNIVERSITY may, by prior written notice, terminate this Agreement in whole or in part at any time.

In addition to other remedies described in Article 4, it should be understood that future Agreements with the UNIVERSITY may be limited or withheld completely, pending re-establishment of an acceptable record by CONTRACTOR.

Termination of any existing campus contract by CONTRACTOR during the term of the Agreement may demonstrate an unacceptable record by the CONTRACTOR and may provide a basis for the termination by the UNIVERSITY under Section 3.2 or this Section.

6.5.3 Entire Agreement

This Agreement states the entire agreement between the parties in respect to the subject matter and supersedes any previous or contemporaneous oral or written proposals, statements, discussions, negotiations, or other agreements. The parties acknowledge that they have not been induced to enter into this Agreement by any oral or written representations or statements not expressly contained in this Agreement. This Agreement maybe modified, or any provision waived, only by writing signed by the parties.

MSE Sche l Charges

BLOCK	Item Description(s)	UOM	Disposal Method	Total Unit Price for Transportation & Disposal	Unit Price for (Full Service)	Transporter	TSDF 1	Final TSDF 2
15	DRUMS & PACKAGING MATERIALS							
	85 gallon Steel Overpack	ea			95.00	MSE		
	85 gallon Poly Overpack	ea			145.00	MSE		
	55 gallon Steel Open Top	ea			33.50	MSE		
	55 gallon Steel Bung Top	ea			29.00	MSE		
	55 gallon Poly Open Top	ea			42.00	MSE		
	55 gallon Poly Bung Top	ea			36.00	MSE		
	55 gallon Fiber Drums	ea			23.00	MSE		
	30 gallon Steel Open Top	ea			32.00	MSE		
	30 gallon Steel Bung Top	ea			28.00	MSE		
	30 gallon Poly Open Top	ea			24.00	MSE		
	30 gallon Poly Bung Top	ea			28.00	MSE		
	30 gallon Fiber Drums	ea			18.00	MSE		
	20 gallon Poly Open Top	ea			26.00	MSE		
	20 gallon Poly Bung top	ea			24.00	MSE		
	20 gallon Fiber Drums	ea			15.00	MSE		
	20 gallon Steel Bung Top	ea			17.00	MSE		
	14 gallon Poly Open Top	ea			22.00	MSE		
	10 gallon Fiber Drums	ea			12.00	MSE		
	10 gallon Steel	ea			16.00	MSE		
	5 gallon Steel Open Top	ea			9.00	MSE		
	5 gallon Fiber Drums	ea			7.00	MSE		
	5 gallon Poly	ea			5.00	MSE		

MSE Scheo . Charges

BLOCK	Item Description(s)	UOM	Disposal Method	Total Unit Price for Transportation & Disposal	Unit Price for (Full Service)	Transporter	TSDF 1	Final TSDF 2
	Vermiculite (3 Cubic Foot Bag)	ea			8.50	MSE		
	Superfine	ea			4.50	MSE		
	Floor Dry (25 lb Bag)	ea			5.00	MSE		
	Wooden Box (DOT 15A)	ea			35.00	MSE		
	5 gallon 2U carboys	ea			12.00	MSE		
	Drum Liners - 55 gallon	ea			0.60	MSE		
	Drum Liners - 30 gallon	ea			0.30	MSE		
	Containers for Fluor. Tubes	ea			23.00	MSE		
	Containers for other Lightbulbs	ea	All materials that MSE will provide		7.20	MSE		
	Total Block 15							

University of California, Systemwide Agreement

#79

DATE: 2/10/97
NUMBER 083/SF/045/100

HAZARDOUS WASTE DISPOSAL

ISSUED TO Rollins Environmental Inc.
3777 Spinnaker Court
Fremont, CA 94538

ISSUED BY Dave Kolsom, Purchasing Manager
Procurement and Business Contracts Unit
UNIVERSITY OF CALIFORNIA, Berkeley
MC5600
Berkeley, CA 94720-5600
Phone: 510-643-5709; fax 510-642-8604

TABLE OF CONTENTS

PART A INTRODUCTION
1. General Description & Background Information
Statement of Purpose
2. Definitions

PART B GENERAL REQUIREMENTS, TERMS & CONDITIONS
1. Agreement Period
1.1 Initial Agreement Period
1.2 Agreement Extension
1.3 Probationary Period

2. Usage
2.1 Agreement Utilization
2.2 Quantity Estimates

3. Pricing
3.1 Pricing Structure
3.1.1 Firm Prices and Discounts
3.1.2 Basis for Price Adjustments
3.1.3 Special Pricing
3.2 Price Protection and Certification
3.3 Freight and Handling Charges
3.4 Returned Goods
3.5 Taxes

4. Invoicing
4.1 Payment Terms
4.2 Timely Notification of Past Due Invoices

5. Specifications
5.1 Scope of Work
5.1.1 Sales Service and Support
5.1.2 Technical Service and Support
5.1.3 Special Projects and Standard Hours of Operation
5.1.4 Response Time
5.1.5 Personnel
5.2 Technical Specifications
5.2.1 Product Specifications
5.2.2 Performance Guarantee/Compliance Level
5.2.3 Qualifications of Personnel
5.2.4 Permitting and Licensure
5.2.5 Management Reports
5.3 Warranties
5.4 Delivery Requirements
5.4.1 Order Placement

5.4.2 Authorizations
5.4.3 Service Schedule
5.4.4 Order Size
5.4.5 Delivery Site/Location
5.4.6 Inspection
5.4.7 Special Delivery Instructions/Requirements
5.4.8 Packaging
5.4.9 Documentation

6. General Conditions
6.1 Other
6.1.1 Late Interest Charges
6.1.2 Loss of Equipment
6.1.3 No Free Parking
6.1.4. Ethics
6.1.5 Right to Know Legislation
6.1.6 Relationship of Parties
6.1.7 Indemnification
6.1.8 Contacts with University Management
6.2 Insurance Requirements
6.3 Agreement Administration
6.4 Record Keeping and Auditing
6.5 Terms and conditions
6.5.1 Product Liability Indemnity Provision
6.5.2 Termination of Agreement
6.5.3 Entire Agreement

PART A INTRODUCTION

1. GENERAL DESCRIPTION & BACKGROUND INFORMATION

Statement of Purpose

The purpose of this Agreement is to provide for handling, transportation and or disposal of UNIVERSITY hazardous wastes, including a wide variety of chemicals from research and instructional laboratories and medical centers listed under Attachment 6, Blocks 2, 3, 5, 6, 10, 11, 12, and 14.

The UNIVERSITY OF CALIFORNIA is a non-profit educational institution consisting of nine major campuses at Berkeley, Davis, Irvine, Los Angeles, Riverside, San Diego, Santa Barbara, San Francisco and Santa Cruz. The UNIVERSITY also operates five major medical centers at Davis, Irvine, Los Angeles, San Diego and San Francisco. Lawrence Berkeley, Lawrence Livermore and Los Alamos national laboratories are operated by the UNIVERSITY OF CALIFORNIA.

2. DEFINITIONS

Agreement -- The contract document issued, pursuant to this request, to be furnished to contractor(s) by UNIVERSITY jurisdictional personnel which specifically describes goods and or services to be covered.

CONTRACTOR-- The term "Seller", "Supplier", "Contractor", "Respondent", "Bidder", "Vendor", "Rollins", are used interchangeably herein and refer to the same entity, Rollins Environmental Inc., the provider of goods and services to the UNIVERSITY.

Days -- Unless otherwise stated, refers to calendar days.

EH&S Officer -- Environmental Health and Safety Director for each University Campus or his/her designee. At LLNL the equivalent person is the Hazardous Waste Management Storage and Disposal Group leader.

Emergency Response Services -- any spill response that meets campus criteria as specified in Attachment 2 and described in Attachment 3.

Environmental Impairment Liability Insurance - Same as pollution liability insurance.

Field Station -- An off campus research facility

Full Services -- Providing supplies, lab packing and bulking services in addition to transportation and disposal, includes labor and materials to prepare work site and cleanup to previous site condition. This includes professional and technical personnel to inspect, lab pack, HazCat, document, package, profile, transport and dispose of the UNIVERSITY's hazardous wastes according to all applicable federal, state and local regulations, TSDF waste acceptance criteria, (Department of Energy orders where applicable at the University Laboratories) and UC policies and procedures.

ross Weight -- Total weight of the filled shipping container, including all fillers, absorbent, shipping container and hazardous waste.

Hazard Categorization Charge or "HazCating" -- The fixed charge for the labor, materials and analytical charges incurred per sample for the exclusive purpose of identifying or classifying chemicals sufficient to satisfy all applicable TSDF waste acceptance criteria and regulatory agency requirements.

Lab packing Services -- Includes collecting, sampling, consolidating, profiling, packaging, labeling, loading and other handling of hazardous waste, containers and paper work while physically working at UNIVERSITY facilities.

Net Weight -- For lab packs, weight of internal material and primary containers, excluding all packaging materials and outer shipping containers; for bulk solids, weight of the waste material only.

Parties of the Agreement -- This Agreement is by and between the Regents of the University of California ("UNIVERSITY") and CONTRACTOR ("Seller").

Pollution Insurance -- Insurance to cover risks associated with the contamination of the environment - air, ground, or water. Liability from pollution is frequently excluded to some degree in the general, auto, and umbrella liability policies.

Regents of the University of California-- The terms "UNIVERSITY", "Generator", "Buyer", "Campus", "UNIVERSITY OF CALIFORNIA" and "Regents of the University of California" are used interchangeably herein and refer to the same entity: Regents of the University of California.

Special Projects – Labor associated with Block 16, short term and or temporary support services.

Submittal response -- "bid", "bid submittal", "bid response", "proposal" are used interchangeably herein and refer to CONTRACTOR's documents and attachments in response to the submittal request.

Submittal request -- "Request for Proposal" (RFP); "solicitation", are used interchangeably herein and refer to this document and the referenced attachments.

Transportation & Disposal Price -- The total charge for transporting hazardous waste from UNIVERSITY facilities to an approved TSDF, including any necessary profiling, manifesting, or other documentation associated with proper waste disposal, the per unit price, waste stream approval fees, penalties, and other surcharges for the final disposition of the waste.

TSDF -- Means Treatment, Storage, or Disposal Facility, as defined in Title 22 California Code of Regulations, Section 66260.10 and in Title 40 Code of Federal Regulations 260.10.

University Affiliates -- Institutions or businesses which have a close business relationship with the UNIVERSITY and allow the UNIVERSITY to establish Agreements on its behalf.

University Technical Representative -- Refers to the individual within the UNIVERSITY who will be responsible for the daily coordination of all activities relating to the implementation, design, and control of this Agreement.

Work -- "Work" shall include all obligations, duties, requirements, and responsibilities required for the successful completion of the Agreement by the CONTRACTOR, including the furnishing of all supervision, labor, materials, equipment and other supplies, incidental with the execution of the Agreement and in accordance with the terms and conditions set forth in this Agreement.

PART B GENERAL REQUIREMENTS, TERMS & CONDITIONS

1. AGREEMENT PERIOD

1.1 Initial Agreement Period
The initial Agreement period shall commence February 1, 1997 and end on January 31, 2000. The original Agreement term will be for a period of three (3) years.

1.2 Agreement Extension
The UNIVERSITY, at its sole option, reserves the right, and CONTRACTOR as a condition of the solicitation, agrees to allow the UNIVERSITY the option to extend, solely and at its discretion, this Agreement term for up to four (4) additional one year period(s), at the same prices or pricing basis, terms, and conditions as the original Agreement. CONTRACTOR recognizes and agrees that the business obtained by CONTRACTOR under an extension will constitute the sole consideration for the extension.

In the event any of the above options are not exercised and additional time is required by the UNIVERSITY to initiate a new Agreement, CONTRACTOR agrees to continue providing services to the UNIVERSITY on a month-to-month basis, for a period not to exceed six (6) months, at the prices, terms and conditions in effect during the prior period.

1.3 Probationary Period
CONTRACTOR will be given a six (6) month probationary period by each campus committing to the Agreement block(s) awarded, during which the CONTRACTOR must demonstrate compliance with Agreement requirements. Each Campus reserves the right to extend the probationary period for an additional six months. Service will be monitored for compliance in the following areas:

1) Timeliness (reference RFP scheduling requirements in Section 5.2.1 Product Specifications)
2) Accuracy of pricing and invoicing (reference RFP Sections 3. Pricing and 4. Invoicing)
2) Scope of work (reference RFP Section 5.1 through 5.1.5)
3) Technical Specifications, including adherence to Operational Plan (reference RFP Section 5.2)
4) Warranties (reference RFP Section 5.3)
5) Delivery Requirements (reference RFP Section 5.4)
6) Compliance with insurance requirements (reference RFP Section 6.2)
7) Qualifications of assigned CONTRACTOR personnel (reference section 5.2.3).
8) Compliance with all health and safety requirements outlined in attachment 5 Task G.

UNIVERSITY reserves the right to terminate this Agreement by individual participating Campus, National Laboratory, or all participating parties with 10 days written notice if the UNIVERSITY deems the CONTRACTOR has failed to demonstrate full compliance to the Agreement requirements during the probationary period. The UNIVERSITY shall be the sole judge as to whether or not CONTRACTOR is in compliance. Upon termination of this Agreement the UNIVERSITY may then go to the second lowest responsible bidder for an Agreement, if it is deemed to be in the interest of the UNIVERSITY.

Quality of service during the probationary period is to be representative of the quality CONTRACTOR will provide during the entire Agreement period. Each campus will establish a performance evaluation meeting schedule with CONTRACTOR.

2. USAGE

2.1 Agreement Utilization

The UNIVERSITY System recognizes CONTRACTOR as a preferred source for processes and services awarded under this Agreement. This Agreement is not intended to be an exclusive Agreement for purchases by the UNIVERSITY or the National Laboratories. The UNIVERSITY retains all rights to purchase like items and services from other sources, when considered to be in the best interest of the UNIVERSITY.

Usage to be on an as needed basis.

Failure of the UNIVERSITY to purchase estimated quantities shall not constitute either a breach of this Agreement or grounds for termination or cancellation of this Agreement.

Initially participating campuses are University of California, Riverside (UCR), University of California, San Francisco (UCSF), University of California, Berkeley (UCB), University of California, Davis (UCD), and University of California, San Diego (UCSD).

Campuses, at their sole option, that reserve the right to participate in the Agreement at some future date are the University of California, Santa Barbara (UCSB), University of California, Irvine (UCI), University of California, Santa Cruz (UCSC), and University of California, Los Angeles (UCLA).

Lawrence Berkeley and Lawrence Livermore National Laboratories are authorized to utilize this Agreement. Each of the National Laboratories, acting on an independent basis, will declare within sixty days of the implementation of any resulting Agreements, their intention to either fully or partially participate in this Agreement under the terms and conditions solicited or to exclude themselves from such participation. The UNIVERSITY reserves the right during the term of this Agreement to add or delete UNIVERSITY affiliates by providing written notice of said intent to CONTRACTOR.

At the present time, and in no way binding, the Lawrence Livermore National Laboratory intends to utilize the Agreement for the waste streams described in Attachment 2 (Campus Specific Requirements).

2.2 Quantity Estimates

The UNIVERSITY estimates the annual usage for the initial term of this Agreement to be as noted on Attachment 1of RFP083SF044. The UNIVERSITY shall not be bound to this estimate.

Estimated weights and volume are provided *only* as a guideline for preparing the quote/proposal, and are not a guarantee by the UNIVERSITY to dispose of more or less than the estimated volume. Variations between actual volumes and estimated volumes do not warrant future price changes.

The Block Description Attachment describes UNIVERSITY waste streams in terms of Blocks. For purposes of this Agreement each waste stream is a considered a waste category.

The UNIVERSITY has estimated the annual volume generated for each waste stream. This is indicated in Column 3 as the "estimated annual usage," or EAU. This volume is not a guaranteed volume, rather it is a projection based upon campus size, history, and both current and future waste management practices. Agreement Utilization- not all UNIVERSITY campuses are participating in this Agreement. The estimated annual volumes for non-participating campuses are listed for prospective CONTRACTORs to understand the potential Agreement volume.

The UNIVERSITY has indicated the preferred disposal method(s) in Column 4.

3. PRICING

3.1 Pricing Structure

UNIVERSITY shall pay CONTRACTOR for services rendered in accordance with fees stated in CONTRACTOR's submittal response to RFP083SF044, a copy of which is attached and incorporated herein as if fully written out.

Schedule of Charges pertains to all hazardous wastes received by CONTRACTOR for processing, recycling and or disposal. Pricing included in the Schedule of Charges are:

a) Packaging and removal at UNIVERSITY's location (full service)
b) Transportation by CONTRACTOR
c) Processing and treatment (including handling and disposal of containers)
d) Disposal
e) General labor, including miscellaneous waste management duties such as lab packing and any necessary profiling, manifesting, or other documentation associated with proper waste disposal. Includes labor and materials to prepare work site and cleanup to previous site condition

All lab pack (LP) prices billed on a per pound basis shall be invoiced based upon the net weight (see Net Weight definition).

Bulk solids are billed on a per pound basis on the weight of the internal waste material only, excluding the outer shipping container.

Non-lab pack or bulk liquids are billed on a per gallon basis based on the volume of liquid in the container. Drums shall be considered to have a 10% head space, regardless of container size, example: a 55 gallon drum would be considered to contain a maximum of 49.5 gallons.

Compressed gas cylinders shall be invoiced on a per piece basis.

Pricing quoted in this Agreement is inclusive of all costs. The UNIVERSITY will not pay any undisclosed fees in this Agreement.

3.1.1 Discounts

In addition to items specifically contracted for, UNIVERSITY is entitled to purchase under this Agreement any item or service offered commercially by CONTRACTOR. Pricing shall be at the same discount level(s), terms and conditions offered to the UNIVERSITY on items or services listed herein or attached hereto unless otherwise stated. Pricing for other products and services are to be quoted from CONTRACTOR's current price list at time of shipment less applicable discount.

3.1.2 Basis for Price Adjustments

The UNIVERSITY accepts CONTRACTOR's offer of any price declines during the period of this Agreement, effective at the time of announcement of said price decline(s).

Price increases arising from governmentally imposed fees or charges shall be passed through to the UNIVERSITY immediately upon written notice of the same.

All Rate increases during the term of this Agreement must be in writing and must be accompanied by supporting documents.

The maximum price increase in any twelve (12) month pricing period shall be 3.5 percent (3.5%) or the rate of inflation in the Consumer Price Index (CPI) for the United States, whichever is less. Prices shall be adjusted no more than once every twelve months.

Ninety (90) days advance written notice of annual price adjustment must be sent to Attn.: Planned Purchasing and reference the Systemwide Agreement Number. The UNIVERSITY must approve any price adjustment prior to its effective date. The UNIVERSITY reserves the right to negotiate the amount of price adjustment if, in the opinion of the UNIVERSITY, the price adjustment is excessive.

3.1.3 Special Pricing
The UNIVERSITY shall receive the benefit of any promotional and or quantity discounts offered to other customers during this Agreement period if such discounts would result in a lower selling price to the UNIVERSITY.

3.2 Price Protection and Certification
Pricing of an order is to be based on the *date the order for the service request is placed* as opposed to prices in effect at time of delivery or service.

Should CONTRACTOR, during the term of the Agreement, sell material and or service in similar quantity to any other domestic consumer at a lower price, determined on a delivered basis, then in effect hereunder, then UNIVERSITY shall receive the benefit of such lower price on all shipments and service made while such lower price(s) is effective. CONTRACTOR is obligated to notify the UNIVERSITY of such a lower rice agreement. This paragraph shall not apply to any agreement , contract or purchase order entered into with any UNIVERSITY campus or participating affiliate before the effective date of the Agreement.

Termination of any existing campus contract by CONTRACTOR during the term of the Agreement may demonstrate an unacceptable record by the CONTRACTOR and may provide a basis for the termination by the UNIVERSITY under Section 6.5.2 or this Section.

CONTRACTOR shall pay each employee on national laboratory work not less than the general prevailing wage rate in effect in the locality in which the work is done.

UNIVERSITY reserves the right to purchase services elsewhere after the initial pricing period, if price changes submitted for future pricing periods are deemed unacceptable, or if the quality of services is determined to be unacceptable by the UNIVERSITY. Prices must by deemed reasonable and not excessive by the UNIVERSITY on a campus by campus basis for each block category.

CONTRACTOR warrants to the best of its knowledge that the prices offered herein are equal to or are the lowest offered to any customer.

3.3 Freight and Handling Charges
All goods shall be F.O.B. UNIVERSITY facility, freight prepaid and allowed inbound and outbound (UNIVERSITY is not responsible for paying freight charges), price is to include handling, refrigeration ncluding dry ice), packaging and shipping related charges.

3.4 Returned Goods

CONTRACTOR shall be financially responsible for all labor, materials, transportation, analytical laboratory fees, final disposal and other related charges incurred on any waste rejected at processing or disposal facilities for waste packaged or pre-approved by the CONTRACTOR.

3.5 Taxes

Tax status may vary, depending upon the nature of the funding source. Goods purchased with Federal funds, whereby title for goods passes directly to the government, are tax exempt. The UNIVERSITY person placing the purchase order will advise CONTRACTOR if the order is tax exempt. If no notification on tax status is given to CONTRACTOR, CONTRACTOR shall consider the products to be taxable and services to be not taxable. CONTRACTOR's quotes shall include all applicable taxes.

4. INVOICING

Invoicing shall meet the following requirements:

- Invoices shall be net Agreement pricing, only. Invoices must show the UNIVERSITY reference purchase order number and be submitted in duplicate to UNIVERSITY, in arrears.
- Applicable tax must be shown as a separate line item.
- To ensure prompt payment, invoice must match the Agreement pricing.
- Billing address to be specified by UNIVERSITY Campus EH&S Officer at time of order.
- Invoices shall be organized and formatted such that line item pricing corresponds specifically to line items for specific manifest numbers, container packing and inventory documentation. Formatting must allow for easy verification of pricing on an item by item basis. The following information, in spreadsheet form, must accompany invoicing for each shipping container. Campuses are to be provided spreadsheets containing items 1-6 from the following list, additional fields from items 7-11, shall be provided if requested:

    1. Manifest number
    2. Container numbers
    3. Net weight, or gallons bulk liquid, of hazardous waste in each shipping container
    4. Gross weight of each shipping container
    5. Cost/unit by waste type and service level (full service or T&D)
    6. Total cost
    7. Line items on manifest applicable to each container
    8. Shipping container size and type
    9. Hazardous waste description for each container
    10. TSDF destination
    11. Disposal method

Accurate invoicing is important to the UNIVERSITY. If, during the course of business, the UNIVERSITY discovers that overcharges have occurred on invoices, CONTRACTOR agrees to reimburse the amount of the overcharge plus pay the UNIVERSITY a sum equal to overcharge to cover liquidated damages. Inaccurate invoices will be rejected.

.1 Payment Terms

Standard payment terms are Net 30 days after receipt of goods or services and final acceptance or invoice, whichever is later. Final acceptance is when hazardous waste material has been removed from the

UNIVERSITY's site and the UNIVERSITY has received a copy of TSDF signed manifest by the final disposal site for the order.

4.2 Timely Notification of Past Due Invoices

UNIVERSITY monies are typically allocated for specific fund years, therefore failure to have invoices paid and cleared during a specific period of time may result in the loss of said monies to the UNIVERSITY. Therefore, the UNIVERSITY requires the CONTRACTOR take responsibility for notifying the UNIVERSITY when an invoice is over 90 days past due. Invoices older than six months for which the UNIVERSITY has not been previously notified in writing, will not be considered for payment.

A telephone call and a confirming letter specifying that the invoice numbers named are past due is necessary since the UNIVERSITY does not pay from Statements.

5. SPECIFICATIONS

5.1 Scope of Work

The work described below will vary depending on the site and campus where the wastes are generated. Each UC campus, laboratory or field station may have localized specifications such as scheduling, response time, pick-up locations, record keeping requirements, special reports, tracking and invoicing. A campus may request CONTRACTOR to provide Agreement pricing for support services.

Work shall consist of packing (if requested by a Campus), transportation and disposal of UNIVERSITY hazardous wastes, including a wide variety of chemicals from research and instructional laboratories and medical centers. It also includes wastes from campus services such as: paint shops, machine shops, ransportation services (automotive and equipment repair), plating shops, agriculture stations, building and boiler maintenance, electrical maintenance, carpenter shops, and light bulb replacements.

Lab packs leaving the University for disposal must not be broken apart prior to receival at the final treatment/disposal site, but each drum and 100% of its contents must be disposed of using the method approved by the University unless prior approval is received from the University's technical Representative. If a lab pack is broken apart, each item must be tracked separately, unless the lab pack is repackaged, containing only items it originally contained. Lab pack repackaging shall not be done without expressed written prior approval from the UNIVERSITY.

Required work may include a varying degree of lab pack and bulking services at each Campus. Some UNIVERSITY sites may only require transportation and disposal of hazardous waste lab packed by the UNIVERSITY. Other UNIVERSITY sites may require "full service"(see Section 2. Definitions) or a combination of both.

A Campus may request CONTRACTOR to provide Agreement pricing for labor and equipment for cleaning up hazardous material releases resulting from emergency spill situations.

A Campus may request CONTRACTOR to provide Agreement pricing for consulting services in matters of disposal of hazardous wastes. CONTRACTOR shall provide routine inquiries regarding packaging, profiling, manifesting, transporting, and disposal, re-using, or recycling at no charge.

Waste Analytical Testing

If required to perform waste analyses testing, CONTRACTOR shall provide to the UNIVERSITY, analytical documentation of all tests; including type of test, method, date and time, results, location of tests

and person performing tests. UNIVERSITY shall not be charged for routine or mandatory testing (e.g., Btu and pH analysis) required to process or dispose of UNIVERSITY waste. CONTRACTOR shall obtain verbal UNIVERSITY approval by the EH&S Officer prior to performing any waste analysis to be charged to the UNIVERSITY.

Treatment/Disposal Method

It is the UNIVERSITY's desire to use the most environmentally safe and cost effective U.S. Environmental Protection Agency (USEPA) and California EPA (Cal/EPA) approved methods for the disposition of its waste, prioritized as follows:

1). Recycle/Recovery
2). Chemical or biological Treatment/Neutralization
3). Incineration and Destruction
4). Stabilization/Landfill in residuals Repository

Packaging, transportation, removal, treatment and disposal of all hazardous wastes shall be in accordance with all applicable local, State and Federal Laws and regulations.

Waste materials shall not be disposed of by deep well injection. All TSDF sites must be within the continental United States.

CONTRACTOR shall return the TSDF copy of the manifest to the UNIVERSITY within thirty (30) calendar days. CONTRACTOR shall supply a Certificate of Destruction, Certificate of Disposal, or Certificate of Recycling within one calendar year for each container shipped from any UNIVERSITY site. Failure to provide the Certificate of Destruction, Certificate of Disposal or Certification of Recycling within one calendar year shall result in liquidated damages equal to 10% of CONTRACTOR's invoice charge for said waste disposal for each month the certificate is delinquent.

5.1.1 Sales Service and Support

CONTRACTOR shall consult with each Campus EH&S Officer or UNIVERSITY affiliate to establish a frequency for sales and service calls.

5.1.2 Technical Service and Support

CONTRACTOR shall provide to each Campus, within 15 days of Agreement start date, a list of personnel servicing the Campus, including drivers. Attached to the listing shall be the qualifications, training, licenses, and permits associated with each of the staff listed. UNIVERSITY Campuses shall be advised in writing on a timely basis (within 7 days of change in CONTRACTOR personnel) if personnel are to be changed. CONTRACTOR personnel turnover results in additional site specific training and loss of efficiencies. therefore, CONTRACTOR will discount the rate charged for new personnel by half during the first week each time CONTRACTOR replaces existing personnel. This applies to general labor personnel exceeding 20 hours per week at a UNIVERSITY site. These listings shall be updated every 12 months and provided to the appropriate Campus EH&S Officer.

CONTRACTOR agrees to report, within 24 hours, to the respective Campus EH&S Officer any injuries occurring during the normal course of work for the UNIVERSITY on UNIVERSITY premises or while waste is in transit.

5.1.3 Special Projects and Standard Hours of Operation

UNIVERSITY's hours of operation are site specific, however generally from 8:00 am to 5:00 p.m. Pacific Time, Monday through Friday, excluding National holidays. Hours of operation may vary somewhat at the

National Laboratories. All routine business except for emergency response are to be conducted during these times unless the UNIVERSITY specifies other times. (CONTRACTOR must obtain written approval from a EH&S Officer to operate outside of these hours.)

Premium rates will not be paid unless agreed upon by the Campus EH&S Officer in advance of work performed. The UNIVERSITY considers overtime work as work in excess of 8 consecutive hours in one day or work on weekends and National holidays. Travel time is included in CONTRACTOR's hourly rates and is at no additional charge.

On-site Service

CONTRACTOR shall have a minimum of two crew members on site at all times or as specified by site specification for handling hazardous waste. Both crew members (including the on site supervisor) must be familiar with the specific UNIVERSITY Campus locations, packaging, shipping and disposal operations.

All crew will be on site at the agreed upon time. Daily work schedule for CONTRACTOR's crew on site and for off site shipments will be established in consultation with each Campus EH&S Officer.

5.1.4 Response Time

Waste streams requiring a new profile must be removed from jobsites within a mutually agreed upon time, but not more than 10 working days after the necessary approvals and permits have been obtained, and within a total of 20 working days of receipt of individual telephone or written orders. Waste streams not requiring new profiles must be removed from jobsites within a mutually agreed upon time, but not more than 10 working days of receipt of individual telephone or written orders.

5.1.5 Personnel

Approval of all Subcontractors and Contractor's Crew

The UNIVERSITY reserves the right to approve all subcontractors and CONTRACTOR's crew used in the performance of this Agreement.

Recruitment of Personnel

The UNIVERSITY has a policy of open personnel recruitment, which includes posting of position vacancies by notices, flyers and advertisements. Individuals from CONTRACTOR's employ may, therefore, learn of such openings and may apply and will be considered for employment in the same manner as any other job applicant. However, the UNIVERSITY agrees not to have "targeted" or directed recruitment toward individuals employed by CONTRACTOR.

In the event an individual employed by CONTRACTOR obtains UNIVERSITY employment through the open recruitment process, the UNIVERSITY agrees not to begin such employment until a minimum of thirty (30) days after the individual has given the CONTRACTOR written notice of intent to accept UNIVERSITY employment. This is in lieu of any amount otherwise charged as a placement or recruitment fee by CONTRACTOR and shall completely discharge and release the UNIVERSITY from and against any claim for placement, recruitment or similar fees.

5.2 Technical Specifications

Operation Plan - CONTRACTOR is required to provide each Campus EH&S Officer with a current site specific Operation Plan describing the operations necessary to package, remove, transfer, treat and dispose of waste. At a minimum the plan must include the following:

1) The Spill Control and Countermeasure (SCC) Plan.

2) The primary and secondary pick-up routes to, and departure routes from the UNIVERSITY locations serviced.
3) The planned pathway of treatment and disposal of each waste stream including planned route(s) of transport, the routes to and from any Transfer, Storage, Treatment/Disposal or other facility, final disposal at approved landfill facilities, and a detailed description of the planned activities at those sites, including co-mingling and recycling of hazardous waste.
4) The identification of all facilities to be used by CONTRACTOR. Information provided shall include the EPA Identification Number, trade name, address, phone number, hours of operation, description of operation and ownership.
5) The time required from removal to final disposal, for the waste, on any given day.
6) A Contingency Plan, including complete information on back-up facilities and procedures, and the conditions under which they would be implemented.
7) All participating CONTRACTOR employees must have read and signed CONTRACTOR's Operation Plan and the UNIVERSITY's contingency plan.

CONTRACTOR must inform the UNIVERSITY in writing at least seven (7) working days of any changes in the Operation Plan before such changes take place. Any unforeseen occurrences which result either in implementation of the Contingency Plan or deviation from the Operation Plan must be communicated to the Campus EH&S Officer within 24 hours of such an occurrence.

5.2.1 Product Specifications
Each UNIVERSITY Campus, Laboratory or field station may have localized specifications or requirements such as scheduling, response time, pick-up locations, security, record keeping requirements, and invoicing. *See Attachment 2 for specific campus requirements.*

5.2.2 Performance Guarantee /Compliance Level
Clean up of hazardous waste spills must meet the satisfaction of the Campus EH&S Officer. Clean up includes housekeeping of the shipment preparation area to a condition equal to what existed prior to CONTRACTOR's arrival on site.

CONTRACTOR must package, ship and dispose of waste in the most cost effective legal manner. CONTRACTOR shall follow CONTRACTOR's written Operation Plan for packaging, shipping and disposal options used for UNIVERSITY waste, a copy shall be provided to each Campus EH&S Officer. The UNIVERSITY reserves the right and option to disapprove of the use of a particular treatment and or disposal site prior to transportation of hazardous waste to the site.

CONTRACTOR agrees to use only motor carriers that meet the applicable the Department of Energy's Motor Carrier Evaluation Program to transport UNIVERSITY hazardous waste. CONTRACTOR shall not utilize motor carriers that have failed to be successfully evaluated under the Department of Energy's Motor Carrier Evaluation Program criteria.

5.2.3 Qualifications of Personnel
The UNIVERSITY is not to be used as a training ground for CONTRACTOR's crew.

CONTRACTOR or CONTRATOR's subcontractor crew member(s) shall have a minimum of 2 years experience in job duties performed, unless specifically agreed upon by the EH&S Officer in advance of work performed.

5.2.4 Permitting and Licensure

Copies of all operating permits and licenses shall be provided to each Campus EH&S Officer and kept current. CONTRACTOR agrees to notify each Campus EH&S Officer in writing if:

1) CONTRACTOR is served with notice of a violation of any law, regulation, permit or license which relate to service(s);

2) Proceedings are commenced which could lead to revocation of permits or licenses which relate to service(s);

3) Permits, licenses or other governmental authorization relating to service(s) are revoked;

4) Litigation is commenced against CONTRACTOR which could affect the service(s);

5) CONTRACTOR becomes aware that its equipment or facilities are not in compliance with applicable laws, regulations, permits or licenses.

CONTRACTOR must possess and maintain, all appropriate licenses, certificates and permits applicable to this Agreement.

5.2.5 Management Reports

The reports required of CONTRACTOR are an essential component of this Agreement. The reports aid in the measuring of performance and gauging the level of satisfaction by the UNIVERSITY as a customer. The UNIVERSITY has established minimum reporting guidelines.. The applicable reports are due on the date specified and in the format requested. Failure to consistently meet these reporting requirements will be basis for cancellation for cause under *Termination of Contact.* All reports are to be Campus specific and provided to Campus EH&S Officer. The UNIVERSITY may request the reports to be provided on various electronic media compatible with UNIVERSITY computer hardware and software. Suppliers are expected to comply with this request. Reports provided become the property of the UNIVERSITY.

CONTRACTOR shall consider all reports and UNIVERSITY data confidential and shall not distribute to any entity without the written permission of the UNIVERSITY.

CONTRACTOR shall furnish an annual usage report for each Campus and a summary report to the UNIVERSITY of California Office of the President EH&S Office and Planned Purchasing (see Part C, 7. Contacts with University Management). Timely submittal of reports is critical to the continuation of this Agreement. In a summary report CONTRACTOR is to identify savings and value added services attributed to this Agreement on an annualized basis. Reports are due July 20 of each calendar year, including the first six months of the initial Agreement.

CONTRACTOR shall also furnish information to complete reports required by the Hazardous Waste Source Reduction and Management Review Act of 1989 (SB 14) and provide each campus with the data required to complete the U.S. EPA Biennial Report. CONTRACTOR may be required to provide data to satisfy other legal reporting requirements of the UNIVERSITY.

Reports for the UNIVERSITY shall be at no additional cost to the UNIVERSITY.

The UNIVERSITY expects all areas of its relationship with the CONTRACTOR partner to be quantitatively assessed and managed for service, proficiency, efficiency and effectiveness. Therefore, the UNIVERSITY requires the CONTRACTOR's Total Quality Management (TQM) program to proactively monitor the total quality of its services to the UNIVERSITY, and implement programs which take action to improve or enhance the level of quality and customer satisfaction provided.

5.3 Warranties

The goods and services furnished under this Agreement shall be the most favorable commercial warranties CONTRACTOR offers to any customer for the same or substantially similar goods and services.

CONTRACTOR warrants that the TSDF sites utilized are in compliance with applicable federal, state and local laws, rules and regulations, are suitable to receive, and may lawfully receive, the specific hazardous materials and wastes delivered to it.

CONTRACTOR agrees that it shall immediately notify the UNIVERSITY if any TSDF is uses fails to comply with applicable laws, rules or regulations, or becomes unsuitable to receive the hazardous materials and waste delivered to it.

CONTRACTOR warrants that in the event of an accidental discharge or release of hazardous materials, CONTRACTOR shall, with due diligence, take immediate steps as required by federal, state, and local laws and regulations, and shall immediately notify the UNIVERSITY of all details regarding the accidental discharge or release of UNIVERSITY generated waste. CONTRACTOR shall only permit appropriate personnel within its company to make public statements, or issue news releases regarding the accidental discharge and CONTRACTOR specifically agrees that on any such occasions to consult with the UNIVERSITY before making any public statements or issuing any press statements which would identify the UNIVERSITY by name.

5.4 Delivery Requirements

5.4.1 Order Placement

CONTRACTOR will accept verbal order releases against this Agreement.

The UNIVERSITY shall have the right to cancel an item or service that has not or cannot be shipped in full as ordered within the agreed upon delivery time, and to reorder the item or items from another supplier.

5.4.2 Authorizations

All revised releases or services requested require approval of the Campus EH&S Officer.

5.4.3 Service Schedule

CONTRACTOR shall provide support services in accordance with Attachment 5 Support Services and Attachment 2 for each site. CONTRACTOR is expected to provide service on occasion within 24hours of a request.

CONTRACTOR agrees to remove all hazardous waste containers from UNIVERSITY premises according to a mutually agreed upon schedule for each location.

5.4.4 Order Size

No minimum order quantity for waste pickup.

5.4.5 Delivery Site/Location

Treatment/Disposal Sites

All designated hazardous waste treatment/disposal sites must have appropriate approvals, permits and licenses as required by federal, state and local governments. CONTRACTOR shall identify for the

UNIVERSITY the proposed and alternate sites to be used during the term of any resultant Agreement . Any change of treatment/disposal sites after the awarding of this Agreement must be approved by the UNIVERSITY in writing.

Contractor shall avoid shipping during traffic rush hours, generally between 7-9 a.m. and 4-6 p.m., if requested.

5.4.6 Inspection

The UNIVERSITY reserves the right to perform an on site audit of all Transfer, Storage and Treatment/ Disposal Facilities and transporters operated and/or utilized by the CONTRACTOR.

5.4.7 Special Delivery Instructions/Requirements

CONTRACTOR shall certify that all drivers who service UNIVERSITY sites, have current, valid California Drivers License with current Hazardous Materials Endorsements. The endorsement must meet the criteria for each type of vehicle driven (air brakes, dual axles, etc.). Each driver must be enrolled in the California Department of Motor Vehicles "Pull Notice Program" and maintain records for the term of this Agreement. CONTRACTOR shall comply with the U.S. Department of Transportation, Alcohol and Drug Testing rules and regulations.

CONTRACTOR drivers shall follow all federal, state and local laws, rules, and regulations and will notify the UNIVERSITY of any accidents, spills or releases while transporting its waste. CONTRACTOR may be required to follow designated routes specified by the UNIVERSITY.

Each vehicle or trailer used to haul the UNIVERSITY waste must have all applicable hazardous waste hauler permits.

Each vehicle or trailer used to haul the UNIVERSITY waste must be equipped with emergency response equipment and materials to handle a spill or release of the waste being transported.

5.4.8 Packaging

CONTRACTOR shall give 30 days written notice to UNIVERSITY of any change in packaging requirements covered by this Agreement of which the CONTRACTOR has knowledge.

All waste containers and shipping containers (prior to transport) shall be weighed using accurate and calibrated scales. CONTRACTOR shall provide each Campus EH&S Officer with calibration certifications for all scales used to weigh UNIVERSITY waste for invoicing purposes. Scales shall be calibrated every six months. Each UNIVERSITY campus retains the right to allow alternatively CONTRACTOR may use UNIVERSITY obtained weights. CONTRACTOR may be required to bring a bench scale to some sites.

CONTRACTOR agrees to provide certification that CONTRACTOR supplied containers are in compliance with DOT regulations.

UNIVERSITY reserves the right and option to supply containers for use by CONTRACTOR for disposal of UNIVERSITY hazardous waste materials. If the UNIVERSITY furnishes a container for Full Service work, CONTRACTOR agrees to reimburse the UNIVERSITY for the cost of the container.

5.4.9 Documentation

All waste to be shipped will be designated by tracking numbers and legibly recorded on inventory packing documents to the satisfaction of the Campus EH&S Officer.

6. GENERAL CONDITIONS

6.1 Other

The UNIVERSITY publishes Campus Contracts and Systemwide Agreements on the Internet under a World Wide Web site with restricted access for use by the UNIVERSITY OF CALIFORNIA. The UNIVERSITY is a public agency and does not consider pricing as confidential information once a Contract or Agreement has been awarded. Protection of proprietary information and business secrets is described in Part C, Section 8 of RFP083SF044.

6.1.1 Late Interest Charges

Payments for UNIVERSITY purchases under this Agreement shall not be subject to any late charges or interest charges.

6.1.2 Loss of Equipment

The UNIVERSITY will not be responsible for the loss of equipment or materials left on UNIVERSITY premises by a vendor during the performance of work covered by the purchase Agreement.

6.1.3 No Free Parking

No free parking facilities are provided by the UNIVERSITY for CONTRACTOR or CONTRACTOR's subcontractors vehicles or employees.

UNIVERSITY may require vehicles parked on UNIVERSITY property be registered and be subject to the 'ees established by each Campus. Instructions and recommendations for parking will be provided to the CONTRACTOR by each Campus.

6.1.4 Ethics

CONTRACTOR shall comply with UNIVERSITY policies on gifts and gratuities.

CONTRACTOR shall exercise reasonable care and diligence to prevent any action or conditions which could result in a conflict with the UNIVERSITY's interest. During the term of this Agreement, CONTRACTOR shall not accept any employment or engage in any work which creates a conflict of interest with the UNIVERSITY or in any way compromises the work to be performed under this Agreement. CONTRACTOR and or its employees shall not offer substantial gifts, entertainment, payments, loans, or other consideration to UNIVERSITY employees, their families, other contractors, subcontractors, and other third parties for the purpose of influencing such persons to act contrary to the UNIVERSITY's interest. CONTRACTOR shall immediately notify the UNIVERSITY of any and all such violations of this clause upon becoming aware of such violations.

6.1.5 Right to Know Legislation

CONTRACTOR shall comply with all enacted "right to know" legislation and all requirements established by the State of California, Federal and local governments pertaining to chemicals and hazardous substances, including those issued by California Occupational Safety Health Administration (Cal OSHA), Occupational Safety Health Administration (OSHA), USEPA and Cal/EPA.

6.1.6 Relationship of Parties
Nothing herein shall be construed to place the parties in the relationship of agent, partners or joint ventures or employer-employee and neither shall have the right to obligate or bind the other party in any matter whatsoever.

6.1.7 Indemnification
UNIVERSITY shall defend, indemnify and hold CONTRACTOR, its officers, agents, and employees harmless from and against any and all liability, loss, expense, including reasonable attorney's fees, or claims for injury or damages arising out of the performance of this Agreement but only in proportion to and to the extent such liability, loss, expense, attorney's fees, or claims for injury or damages are caused by or result from the negligent or intentional acts or omissions of UNIVERSITY, its officers, employees or employees.

CONTRACTOR shall defend, indemnify and hold UNIVERSITY, its officers, agents, and employees harmless from and against any and all liability, loss, expense, including reasonable attorney's fees, or claims for injury or damages arising out of the performance of this Agreement but only in proportion to and to the extent such liability, loss, expense, attorney's fees, or claims for injury or damages are caused by or result from the negligent or intentional acts or omissions of CONTRACTOR, its officers, employees or employees.

6.1.8 Contacts with University Management

U.S. Mail:

Dave Kolsom, Purchasing Manager
Procurement and Business Contracts Unit
UNIVERSITY OF CALIFORNIA, Berkeley
MC5600
Berkeley, CA 94720-5600
Phone: 510-643-5709; fax 510-642-8604

or Express Mail:

6701 San Pablo Ave., Suite #218
Oakland, CA 94608-1239

Direct Systemwide technical queries to:

David Belk, UC Office of the President
300 Lakeside Dr., 12th Floor
Oakland, CA 94612
510-987-9588/fax 510-987-0752

6.2 Insurance Requirements
CONTRACTOR shall provide UNIVERSITY with certification, by a properly qualified representative of the insurer, that CONTRACTOR's insurance complies with the requirements of this section. In addition, such certification shall describe each of the coverages below and on the attached Appendix A which must be written on an "occurrence" form.

Comprehensive or Commercial Form General Liability Insurance (contractual liability included and products and completed operation included) minimum limits $5,000,000 per occurrence and in the aggregate.

Pollution or environmental impairment liability with a limit of $5,000,000 per occurrence and in the aggregate.

Business Automobile Liability (owned, scheduled, non-owned, or hired automobiles) with a combined single limit of no less than $5,000,000 per occurrence and in the aggregate.

All insurance will provide for a Waiver of Subrogation waiving any right of recovery against the UNIVERSITY.

The term "the Insured" is hereby used severally and not collectively, but the inclusion herein of more than one insured shall not operate to increase the limits of the insurer's or insurers' liability.

In the event of claims being made under any of the coverages of the policy or policies referred to herein by one or more insureds hereunder for which another or other insured hereunder may be liable, then the policy or policies shall cover such insured or insureds against whom a claim is made or may be made in the same manner as if separate policies had been issued to each insured hereunder. Nothing contained herein, however, shall operate to increase the insurer's or insurers' limits of liability as set forth in the insuring agreements.

The insurance evidenced shall be primary insurance and not excess over or contributory with any other insurance or self-insurance of the UNIVERSITY.

All insurance policies required shall be issued by companies who hold a current Policyholder's Alphabetic and Financial Size Category Rating of not less than A XIII according to Bests Insurance Reports.

CONTRACTOR shall not start work until all certificates of insurance have been provided to the UNIVERSITY. CONTRACTOR hereby agrees that no payment shall be made by the UNIVERSITY until UNIVERSITY is in receipt of CONTRACTOR's insurance certificate. All insurance coverages and carriers are subject to the approval of the UNIVERSITY.

The terms of Appendix "A" require that certificates must be issued naming THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, and depending on where the work is performed, the United States Government, as an additional insured.

6.3 Agreement Administration

All changes to the pricing or terms and conditions for this Agreement shall be done by a Agreement Supplement (Change Order). CONTRACTOR may request a change in rates or terms and conditions by submitting a written request to the UNIVERSITY. If the UNIVERSITY concurs with the request, an Agreement Supplement will be issued.

6.4 Record Keeping and Auditing

This Agreement shall be subject to the examination and audit of the Auditor General of the State of California, United States Department of Energy (DOE) and UNIVERSITY Planned Purchasing Materiel Management for a period of three years after final payment under this Agreement. The examination and audit shall be confined to those matters connected with the performance of this Agreement, including, but not limited to, the costs of administering this Agreement.

Until the expiration of four years after the furnishing of the services provided under this Agreement, CONTRACTOR will make available to the Secretary, U.S. Department of Health and Human Services, the U.S. Controller General, and their representatives, the Agreement and all books, documents and records

necessary to certify the nature and extent of the costs of those services. If CONTRACTOR carries out the duties of this Agreement through a subcontract worth $10,000 or more over a 12 month period with a related organization, the subcontract will also contain an access clause to permit access by the Secretary, Controller General, and their representatives to the related organization's books and records.

6.5 Terms and Conditions

Purchase orders/order releases issued for goods or services covered by this Agreement shall be governed by RFP083SF044, the UNIVERSITY Terms and Conditions of Appendix A, Supplement 3, Supplement 5, CONTRACTOR's bid response submittal and bid response correspondence to RFP083SF044 and general provisions stated herein only, incorporated herein as if fully written out. In the event of conflict, the terms and conditions of the UNIVERSITY shall take precedence over CONTRACTOR's RFP083SF044 bid submittal response. Any different or additional terms contained in CONTRACTOR's purchase acknowledgment, or other document(s), are unacceptable to the UNIVERSITY and will be rejected.

Special Terms and Conditions for National Laboratories

The following modification of terms and conditions shall apply only to the National Laboratories.

CONTRACTOR shall comply with The Service Contract Act.

Article 9 - INDEMNITY

In Paragraph A. General, Paragraph B Proprietary Rights, and Paragraph C Products, the terms "University" or "University's" are used, these terms are replaced with "University or U. S. Government" or "University's or U. S. Government" respectively.

ARTICLE 16 - INSURANCE

In Paragraph B., the last sentence, change "University" to "University and U. S. Government".

In the last Paragraph of Article 16, change "The Regents of the University of California" to "The Regents of the University of California and U. S. Government".

ARTICLE 20 - TAXES

In the last Paragraph of Article 16, change "University" to "University and U. S. Government".

ARTICLE 23 - CLAUSES INCORPORATED BY REFERENCE

The FAR and DEAR clauses listed below, which are located in Chapters 1 and 9, respectively, of Title 48 of the Code of Federal Regulations, will be incorporated by reference as a part of this Agreement, for all work performed at the request of the National Laboratories, as prescribed below. As used in the clauses, the term "contract" shall mean the "Agreement"; the term "subcontractor" shall mean the CONTRACTOR's "subcontractor", and the terms "Government" and "Contracting Officer" shall mean the UNIVERSITY.

The CONTRACTOR shall include the listed clauses in its subcontracts at any tier for the work requested, to the extent applicable.

FAR 52.219-8	UTILIZATION OF SMALL, SMALL DISADVANTAGED AND WOMEN-OWNED SMALL BUSINESS CONCERNS (OCT. 1995), if the requested work exceeds $500,000
FAR 52.219-9	SMALL, SMALL DISADVANTAGED AND WOMEN-OWNED BUSINESS SUBCONTRACTING PLAN (OCT. 1995), if the requested work exceeds $500,000, unless the CONTRACTOR is a small business or there are no subcontracting possibilities
FAR 52.222-26	EQUAL OPPORTUNITY (APR. 1984)

FAR 52.222-35	AFFIRMATIVE ACTION FOR SPECIAL DISABLED AND VIETNAM ERA VETERANS (APR. 1984), if the requested work exceeds $10,000
FAR 52.222-36	AFFIRMATIVE ACTION FOR HANDICAPPED WORKERS (APR. 1984), if the requested work exceeds $2,500
FAR 52.227-1	AUTHORIZATION AND CONSENT (JUL. 1995), if the requested work is for services
FAR 52.227-3	PATENT INDEMNITY (APR. 1984), if the requested work is for services
FAR 52.244-6	SUBCONTRACTS FOR COMMERCIAL ITEMS AND COMMERCIAL COMPONENTS (OCT. 1995)

RFP Exceptions
The UNIVERSITY agrees to RFP083SF044 exceptions, as stated in Attachment RFP Exceptions, a copy of which is attached and incorporated herein as if fully written out.

6.5.1 Product Liability Indemnity Provision
CONTRACTOR shall fully indemnify, defend, and hold harmless UNIVERSITY, its officers, agents, and employees from and against any and all claims, action, and liability, for injury, death, and property damage, arising out of the CONTRACTOR's negligent or otherwise wrongful acts or omissions during dispensing or use of any of the CONTRACTOR's products and services provided under authorized UNIVERSITY orders. In addition to the liability imposed by law on the CONTRACTOR for damage or injury (including death) to persons or property by reason of the negligence, willful acts or omissions, or strict liability of the CONTRACTOR or his agents, which liability is not impaired or otherwise affected hereby, the CONTRACTOR hereby assumes liability for and agrees to save UNIVERSITY harmless and indemnify it from every expense, liability or payment by reason of any damage or injury (including death) to persons or property suffered or claimed to have been suffered through any act or omission of the CONTRACTOR. The UNIVERSITY agrees to provide CONTRACTOR with prompt notice of any such claims and to permit CONTRACTOR to defend any claim or suit, and that it will cooperate fully in such defense.

6.5.2 Termination of Agreement
This Agreement may be terminated by UNIVERSITY or CONTRACTOR for convenience in whole or in part at any time in accordance with the terms of Article 4 of the attached Appendix A. In the event of such termination, both parties agree to provide at least ninety (90) days prior written notice of the effective date of termination and the extent thereof.

If within ten (10) calendar days of receipt of written notice to CONTRACTOR from UNIVERSITY of CONTRACTOR's breach of any term or condition of this Agreement, CONTRACTOR shall fail to remedy such breach, then UNIVERSITY may, by prior written notice, terminate this Agreement in whole or in part at any time.

In addition to other remedies described in Article 4, it should be understood that future Agreements with the UNIVERSITY may be limited or withheld completely, pending re-establishment of an acceptable record by CONTRACTOR.

Termination of any existing campus contract by CONTRACTOR during the term of the Agreement may demonstrate an unacceptable record by the CONTRACTOR and may provide a basis for the termination by the UNIVERSITY under Section 3.2 or this Section.

6.5.3 Entire Agreement
This Agreement states the entire agreement between the parties in respect to the subject matter and supersedes any previous or contemporaneous oral or written proposals, statements, discussions, negotiations, or other agreements. The parties acknowledge that they have not been induced to enter into

this Agreement by any oral or written representations or statements not expressly contained in this Agreement. This Agreement maybe modified, or any provision waived, only by writing signed by the parties.

Rollins Sche of Charges

BLOCK	Item Description(s)	UOM	Disposal Method	Total Unit Price for Transportation & Disposal	Unit Price for (Full Service)	Transporter	TSDF 1	Final TSDF 2
1	LABPACK WASTES							
	Labpacks - Non-reactive	lb	Treat/Incin	$1.98	$2.45	CET/REI	UT	
	Labpacks - Reactive	lb	Treat/Incin	$3.50	$4.20	CET/REI	UT	
	Labpacks - Paints	lb	Treat/Incinerate	$1.50	$2.30	CET/REI	UT	
	Mercury - Salts/Solutions	lb	Treat/Incinerate	$10.09	$10.65	CET/REI	OPC	Mercury Ref.
	PIH, Zone "A"s	lb	Incinerate	$15.65	$16.06	CET/REI	UT	Mercury Ref.
	Dioxins	lb	Incinerate	$10.33	$10.88	CET/REI	UT	
	Volatile Liquids in Canisters	lb	Incinerate	$1.52	$2.13	CET/REI	UT	
	Aerosol Cans	lb	Incinerate	$1.24	$2.03	CET/REI	OPC	TX
	Haz Categorization			$0.00	$10.00	CET/REI		
	Total Block 1							
2	BULK WASTES							
	Bulk Liquids - Aqueous	gal	Incinerate	$3.36	$4.43	CET/REI	OPC	UT
	Bulk Liquids - Organic Acids	gal	Treatment	$5.49	$6.56	CET/REI	OPC	TX
	Bulk Solids - Lab Trash (Non- RCRA)*	lb	Incinerate	$0.73	$0.83	CET/REI	OPC	HWY 36
	Bulk Solids - Lab Trash (RCRA)	lb	Incinerate	$0.73	$0.83	CET/REI	UT	
	Mercury - Debris	lb	Landfill	$10.08	$10.18	CET/REI	OPC	Bethlehem
	Bulk Solids - Soils	lb	Biorem/Inc	$0.64	$0.74	CET/REI	UT	
	Bulk Solids-Lithographic Ink	lb	Recycle/Treat	$0.64	$0.74	CET/REI	UT	
	Medical Sharps contaminated with Hazardous Wastes	lb	Incinerate	$0.86	$1.00	CET/REI	UT	
	Empty Drums	ea	Recyc/Landfill	$26.67	$30.67	CET/REI	OPC	Ted Levine
	Total Block 2							

Rollins Su ule of Charges

BLOCK	Item Description(s)	UOM	Disposal Method	Total Unit Price for Transportation & Disposal	Unit Price for (Full Service)	Transporter	TSDF 1	Final TSDF 2
3	RECYCLABLE SOLVENTS							
	Solvents for recycle	gal	Redistilled	$1.93	$3.05	CET/REI	OPC	OSCO
	Bulk Liquids - High BTU	gal	Recycle/Fuels	$1.68	$2.79	CET/REI	OPC	UT
	Bulk Liquids - Low BTU	gal	Recycle/Fuels	$2.21	$3.35	CET/REI	OPC	UT
	Total Block 3							
4	RECYCLABLE METALS							
	Lead	lb	Recycle	$1.07	$1.16	CET/REI	OPC	ECS
	Mercury	lb	Recycle	$5.73	$5.83	CET/REI	OPC	ECS
	Copper	lb	Recycle	$1.73	$1.83	CET/REI	OPC	APTUS
	Magnesium	lb	Recycle	$3.50	$4.00	CET/REI	OPC	ECS
	Barium	lb	Recycle	$3.50	$4.00	CET/REI	OPC	ECS
	Total Block 4							
5	PCB WASTES							
	PCBs - Liquids	gal	Incinerate	$0.64	$0.74	CET/REI	UT	
	PCBs - Capacitors	lb	Recyc/Inc	$1.27	$1.36	CET/REI	Sales/UT	
	PCBs - Ballasts	lb	Recyc/Inc	$1.00	$1.10	CET/REI	Sales/UT	
	PCBs - Carcasses	lb	Recycle/Landfill	$0.74	$0.83	CET/REI	UT	
	Total Block 5							
6	BATTERIES (NON-AUTO)							
	Batteries - Nickel/Cadmium	lb	Recyc/Treat	$0.80	$0.90	CET/REI	OPC	Kinsbursky
	Batteries - Lead Acid (non-auto)	lb	Recyc/Treat	$0.56	$0.66	CET/REI	OPC	Kinsbursky
	Batteries - Lithium	lb	Recycle/Incin	$0.84	$0.93	CET/REI	UT	Kinsbursky
	Batteries - Silver	lb	Recycle	$0.84	$0.93	CET/REI	UT	
	Batteries - Carbon/Zinc	lb	Recycle	$0.70	$0.80	CET/REI	UT	
	Batteries - Alkaline	lb	Recycle	$0.70	$0.80	CET/REI	UT	
	Batteries - High Mercury	lb	Recyc/Treat	$10.07	$10.16	CET/REI	OPC	Bethlehem
	Total Block 6							

BLOCK	Item Description(s)	UOM	Disposal Method	Total Unit Price for Transportation & Disposal	Unit Price for (Full Service)	Transporter	TSDF 1	Final TSDF 2
7	OILS AND AUTO WASTES							
	Recyclable Oil	gal	Recycle	$0.40	$1.20	CET/REI	OPC	Evergreen
	Antifreeze	gal	Recycle	$1.93	$2.73	CET/REI	OPC	Evergreen
	Oil and Water	gal	Recycle	$2.72	$3.52	CET/REI	OPC	UT
	Oil Filters	lb	Recycle	$0.73	$0.83	CET/REI	OPC	Evergreen
8	PHOTOGRAPHIC WASTES							
	Photographic Fixer	gal	Recyc/Treat	$3.22	$3.93	CET/REI	OPC	ECS
	Photographic Developer	gal	Recyc/Treat	$3.22	$3.93	CET/REI	OPC	ECS
	Photographic mixed Developers and Fixers and/or Replenishers	gal	Recyc/Treat	$3.22	$3.93	CET/REI	OPC	ECS
	Canisters/Cartridges	ea	Recyc/Treat	$0.65	$1.98	CET/REI	OPC	UT
9	PAINT WASTES							
	Bulk Paint (Flammable)	gal	Recycle/Inc	$4.68	$5.43	CET/REI	OPC	UT
	Bulk Paint (Oil Base)	gal	Recycle/Inc	$4.68	$5.43	CET/REI	OPC	UT
	Bulk Paint (Water Base)	gal	Recycle/Inc	$4.68	$5.43	CET/REI	OPC	UT
	Bulk Paint (Solids)	lb	Recycle/Inc	$0.65	$0.75	CET/REI	UT	
	Bulk Regulated Metal Based Paint Solids	lb	Recycle/Treat	$0.64	$0.75	CET/REI	UT	

BLOCK	Item Description(s)	UOM	Disposal Method	Total Unit Price for Transportation & Disposal	Unit Price for (Full Service)	Transporter	TSDF 1	Final TSDF 2
10	LIGHT BULB WASTE							
	Fluorescent Tubes	ft	Recycle	$0.11	$0.25	CET/REI	OPC	ATG
	High & Low Pressure Sodium bulbs	ft	Recycle	$1.67	$2.47	CET/REI	OPC	ATG
	HID	ft	Recycle	$1.67	$2.47	CET/REI	OPC	ATG
	Mercury Vapor Lightbulbs	ft	Recycle	$0.80	$1.60	CET/REI	OPC	ATG
	Total Block 10							
11	GAS.LECTURE BOTTLES (KNOWN)							
	Spheres (~8" diameter)							
	Flammable Gases	ea	Recycle/Treat/Incl	$333.33	$368.67	CET/REI	TX	
	Inert/Noble Gases	ea	Recycle/Treat/Incl	$333.33	$368.67	CET/REI	TX	
	Air Gases	ea	Recycle/Treat/Incl	$333.33	$368.67	CET/REI	TX	
	Oxidizing Inorganic Gases	ea	Recycle/Treat/Incl	$1,000.00	$1,035.33	CET/REI	TX	
	Water Reactive Inorganic Gases	ea	Recycle/Treat/Incl	$1,000.00	$1,035.33	CET/REI	TX	
	Organic Metallic Liquids/Gases	ea	Recycle/Treat/Incl	$333.33	$368.67	CET/REI	TX	
	Pyrophoric Liquids/Gases	ea	Recycle/Treat/Incl	$1,000.00	$1,035.33	CET/REI	TX	
	Corrosive acid Gases	ea	Recycle/Treat/Incl	$646.67	$682.00	CET/REI	TX	
	Poison Gases	ea	Recycle/Treat/Incl	$646.67	$682.00	CET/REI	TX	
	Lecture Bottles (<3"diameter by <13" long)							
	Flammable Gases	ea	Recycle/Treat/Incl	$146.67	$182.00	CET/REI	TX	
	Inert/Noble Gases	ea	Recycle/Treat/Incl	$146.67	$182.00	CET/REI	TX	
	Air Gases	ea	Recycle/Treat/Incl	$146.67	$182.00	CET/REI	TX	
	Oxidizing Inorganic Gases	ea	Recycle/Treat/Incl	$413.33	$448.67	CET/REI	TX	
	Water Reactive Inorganic Gases	ea	Recycle/Treat/Incl	$413.33	$448.67	CET/REI	TX	
	Organic Metallic Liquids/Gases	ea	Recycle/Treat/Incl	$146.67	$182.00	CET/REI	TX	
	Pyrophoric Liquids/Gases	ea	Recycle/Treat/Incl	$413.33	$448.67	CET/REI	TX	
	Corrosive acid Gases	ea	Recycle/Treat/Incl	$280.00	$315.33	CET/REI	TX	
	Poison Gases	ea	Recycle/Treat/Incl	$280.00	$315.33	CET/REI	TX	
	Small Cylinders (<4" diameter by < 24" long)							
	Flammable Gases	ea	Recycle/Treat/Incl	$146.67	$182.00	CET/REI	TX	

BLOCK	Item Description(s)	UOM	Disposal Method	Total Unit Price for Transportation & Disposal	Unit Price for (Full Service)	Transporter	TSDF 1	Final TSDF 2
	Inert/Noble Gases	ea	Recycle/Treat/Incl	$146.67	$182.00	CET/REI	TX	
	Air Gases	ea	Recycle/Treat/Incl	$146.67	$182.00	CET/REI	TX	
	Oxidizing Inorganic Gases	ea	Recycle/Treat/Incl	$413.33	$448.67	CET/REI	TX	
	Water Reactive Inorganic Gases	ea	Recycle/Treat/Incl	$413.33	$448.67	CET/REI	TX	
	Organic Metallic Liquids/Gases	ea	Recycle/Treat/Incl	$146.67	$182.00	CET/REI	TX	
	Pyrophoric Liquids/Gases	ea	Recycle/Treat/Incl	$413.33	$448.67	CET/REI	TX	
	Corrosive acid Gases	ea	Recycle/Treat/Incl	$280.00	$315.33	CET/REI	TX	
	Poison Gases	ea	Recycle/Treat/Incl	$280.00	$315.33	CET/REI	TX	
	Sample Cylinders (<2" diameter by 6" long)							
	Flammable Gases	ea	Recycle/Treat/Incl	$146.67	$182.00	CET/REI	TX	
	Inert/Noble Gases	ea	Recycle/Treat/Incl	$146.67	$182.00	CET/REI	TX	
	Air Gases	ea	Recycle/Treat/Incl	$146.67	$182.00	CET/REI	TX	
	Oxidizing Inorganic Gases	ea	Recycle/Treat/Incl	$413.33	$448.67	CET/REI	TX	
	Water Reactive Inorganic Gases	ea	Recycle/Treat/Incl	$413.33	$448.67	CET/REI	TX	
	Organic Metallic Liquids/Gases	ea	Recycle/Treat/Incl	$146.67	$182.00	CET/REI	TX	
	Pyrophoric Liquids/Gases	ea	Recycle/Treat/Incl	$413.33	$448.67	CET/REI	TX	
	Corrosive acid Gases	ea	Recycle/Treat/Incl	$280.00	$315.33	CET/REI	TX	
	Poison Gases	ea	Recycle/Treat/Incl	$280.00	$315.33	CET/REI	TX	
	Total Block 11							
12	POTENTIALLY EXPLOSIVE WASTES		Incinerate					
	Reactive compounds not requiring stabilization	lb	Incinerate	$3.50	$5.00	CET/REI	UT	TX
	Reactive compounds requiring stabilization	lb	Incinerate	$5.00	$10.00	CET/REI	UT	TX
	Organic Peroxide	lb	Incinerate	$2.89	$3.73	CET/REI	UT	TX
	Total Block 12							
13	ASBESTOS WASTES		Landfill					
	Asbestos Friable	lb	Landfill	$0.23	$0.25	CET/REI	OPC	HWY 36
	Asbestos Non-Friable	lb	Landfill	$0.23	$0.25	CET/REI	OPC	HWY 36
	Total Block 13							

BLOCK	Item Description(s)	UOM	Disposal Method	Total Unit Price for Transportation & Disposal	Unit Price for (Full Service)	Transporter	TSDF 1	Final TSDF 2
14	PATHOLOGIC TISSUES							
	Animal Carcasses, Pathologic Human Tissues/Micro-Organisms/Regulated Medical Sharps	lb	Incinerate	$0.89	$1.06	CET/REI	UT	
	Total Block 14							
15	DRUMS & PACKAGING MATERIALS							
	85 gallon Steel Overpack	ea			$100.00			
	85 gallon Poly Overpack	ea			$115.00			
	55 gallon Steel Open Top	ea			$28.57			
	55 gallon Steel Bung Top	ea			$28.57			
	55 gallon Poly Open Top	ea			$50.00			
	55 gallon Poly Bung Top	ea			$50.00			
	55 gallon Fiber Drums	ea			$17.86			
	30 gallon Steel Open Top	ea			$23.57			
	30 gallon Steel Bung Top	ea			$23.57			
	30 gallon Poly Open Top	ea			$35.71			
	30 gallon Poly Bung Top	ea			$35.71			
	30 gallon Fiber Drums	ea			$13.93			
	20 gallon Poly Open Top	ea			$28.57			
	20 gallon Poly Bung top	ea			$28.57			
	20 gallon Fiber Drums	ea			$12.00			
	20 gallon Steel Bung Top	ea			$28.57			
	14 gallon Poly Open Top	ea			$41.43			
	10 gallon Fiber Drums	ea			$5.43			
	10 gallon Steel	ea			$42.86			
	5 gallon Steel Open Top	ea			$5.00			
	5 gallon Fiber Drums	ea			$3.86			
	5 gallon Poly	ea			$5.57			
	Vermiculite (3 Cubic Foot Bag)	ea			$9.29			
	Superfine	ea			$10.00			
	Floor Dry (25 lb Bag)	ea			$5.57			
	Wooden Box (DOT 15A)	ea			$57.14			

BLOCK	Item Description(s)	UOM	Disposal Method	Total Unit Price for Transportation & Disposal	Unit Price for (Full Service)	Transporter	TSDF 1	Final TSDF 2
	5 gallon 2U carboys	ea			$7.14			
	Drum Liners - 55 gallon	ea			$1.43			
	Drum Liners - 30 gallon	ea			$0.71			
	Containers for Fluor. Tubes	ea			$0.71			
	Containers for other Lightbul	ea			$0.71			
	Total Block 15							
16	LABOR RATES							
	Hourly Rates by Worker Class							
	Technician	hr			$28.00			
	Driver	hr			$30.00			
	Shipping Clerk	hr			$18.50			
	Senior Technician	hr			$30.00			
	Chemist	hr			$40.00			
	Supervisor	hr			$45.00			
	HazCat/Unknown	ea			$10.00			
	Total Block 16							
17	EMERGENCY RESPONSE SERVICES							
	7 days per week 24 hours per day on-call	hr			$15.00			
	Technician				$28.00			
	Driver				$30.00			
	Shipping Clerk				$18.50			
	Senior Technician				$30.00			
	Chemist				$40.00			
	Supervisor				$45.00			
	Total Block 17							

University of California, Systemwide Agreement

#27

DATE: 2|21/97
NUMBER 083/SF/044/100

HAZARDOUS WASTE DISPOSAL

ISSUED TO Ensco Environmental Systems Company
2374 East Pacifica Place
Rancho Dominguez, CA 90220

ISSUED BY Dave Kolsom, Purchasing Manager
Procurement and Business Contracts Unit
UNIVERSITY OF CALIFORNIA, Berkeley
MC5600
Berkeley, CA 94720-5600
Phone: 510-643-5709; fax 510-642-8604

TABLE OF CONTENTS

PART A INTRODUCTION.

1. General Description & Background Information
   Statement of Purpose
2. Definitions

PART B GENERAL REQUIREMENTS, TERMS & CONDITIONS

1. Agreement Period
1.1 Initial Agreement Period
1.2 Agreement Extension
1.3 Probationary Period

2. Usage
2.1 Agreement Utilization
2.2 Quantity Estimates

3. Pricing
3.1 Pricing Structure
3.1.1 Firm Prices and Discounts
3.1.2 Basis for Price Adjustments
3.1.3 Special Pricing
3.2 Price Protection and Certification
3.3 Freight and Handling Charges
3.4 Returned Goods
3.5 Taxes

4. Invoicing
4.1 Payment Terms
4.2 Timely Notification of Past Due Invoices

5. Specifications
5.1 Scope of Work
5.1.1 Sales Service and Support
5.1.2 Technical Service and Support
5.1.3 Special Projects and Standard Hours of Operation
5.1.4 Response Time
5.1.5 Personnel
5.2 Technical Specifications
5.2.1 Product Specifications
5.2.2 Performance Guarantee/Compliance Level
5.2.3 Qualifications of Personnel

5.2.4 Permitting and Licensure
5.2.5 Management Reports
5.3 Warranties
5.4 Delivery Requirements
5.4.1 Order Placement
5.4.2 Authorizations
5.4.3 Service Schedule
5.4.4 Order Size
5.4.5 Delivery Site/Location
5.4.6 Inspection
5.4.7 Special Delivery Instructions/Requirements
5.4.8 Packaging
5.4.9 Documentation

6. General Conditions
6.1 Other
6.1.1 Late Interest Charges
6.1.2 Loss of Equipment
6.1.3 No Free Parking
6.1.4. Ethics
6.1.5 Right to Know Legislation
6.1.6 Relationship of Parties
6.1.7 Indemnification
6.1.8 Contacts with University Management
6.2 Insurance Requirements
6.3 Agreement Administration
6.4 Record Keeping and Auditing
6.5 Terms and conditions
6.5.1 Product Liability Indemnity Provision
6.5.2 Termination of Agreement
6.5.3 Entire Agreement

PART A INTRODUCTION

1. GENERAL DESCRIPTION & BACKGROUND INFORMATION

Statement of Purpose

The purpose of this Agreement is to provide for handling, transportation and or disposal of UNIVERSITY hazardous wastes, including a wide variety of chemicals from research and instructional laboratories and medical centers listed under Attachment 6, Block 15.

The UNIVERSITY OF CALIFORNIA is a non-profit educational institution consisting of nine major campuses at Berkeley, Davis, Irvine, Los Angeles, Riverside, San Diego, Santa Barbara, San Francisco and Santa Cruz. The UNIVERSITY also operates five major medical centers at Davis, Irvine, Los Angeles, San Diego and San Francisco. Lawrence Berkeley, Lawrence Livermore and Los Alamos national laboratories are operated by the UNIVERSITY OF CALIFORNIA.

2. DEFINITIONS

Agreement -- The contract document issued, pursuant to this request, to be furnished to contractor(s) by UNIVERSITY jurisdictional personnel which specifically describes goods and or services to be covered.

CONTRACTOR-- The term "Seller", "Supplier", "Contractor", "Respondent", "Bidder", "Vendor", "Ensco", are used interchangeably herein and refer to the same entity Ensco Environmental Systems Company, the provider of goods and services to the UNIVERSITY.

Days -- Unless otherwise stated, refers to calendar days.

EH&S Officer -- Environmental Health and Safety Director for each University Campus or his/her designee. At LLNL the equivalent person is the Hazardous Waste Management Storage and Disposal Group leader.

Emergency Response Services -- any spill response that meets campus criteria as specified in Attachment 2 and described in Attachment 3.

Environmental Impairment Liability Insurance - Same as pollution liability insurance.

Field Station -- An off campus research facility

Full Services -- Providing supplies, lab packing and bulking services in addition to transportation and disposal, includes labor and materials to prepare work site and cleanup to previous site condition. This includes professional and technical personnel to inspect, lab pack, HazCat, document, package, profile, transport and dispose of the UNIVERSITY's hazardous wastes according to all applicable federal, state and local regulations, TSDF waste acceptance criteria, (Department of Energy orders where applicable at the University Laboratories) and UC policies and procedures.

Gross Weight – Total weight of the filled shipping container, including all fillers, absorbent, shipping container and hazardous waste.

Hazard Categorization Charge or "HazCating" -- The fixed charge for the labor, materials and analytical charges incurred per sample for the exclusive purpose of identifying or classifying chemicals sufficient to satisfy all applicable TSDF waste acceptance criteria and regulatory agency requirements.

Lab packing Services -- Includes collecting, sampling, consolidating, profiling, packaging, labeling, loading and other handling of hazardous waste, containers and paper work while physically working at UNIVERSITY facilities.

Net Weight -- For lab packs, weight of internal material and primary containers, excluding all packaging materials and outer shipping containers; for bulk solids, weight of the waste material only.

Parties of the Agreement -- This Agreement is by and between the Regents of the University of California ("UNIVERSITY") and CONTRACTOR ("Seller").

Pollution Insurance -- Insurance to cover risks associated with the contamination of the environment - air, ground, or water. Liability from pollution is frequently excluded to some degree in the general, auto, and umbrella liability policies.

Regents of the University of California-- The terms "UNIVERSITY", "Generator", "Buyer", "Campus", "UNIVERSITY OF CALIFORNIA" and "Regents of the University of California" are used interchangeably herein and refer to the same entity: Regents of the University of California.

Special Projects – Labor associated with Block 16, short term and or temporary support services.

Submittal response -- "bid", "bid submittal", "bid response", "proposal" are used interchangeably herein and refer to CONTRACTOR's documents and attachments in response to the submittal request.

Submittal request -- "Request for Proposal" (RFP); "solicitation", are used interchangeably herein and refer to this document and the referenced attachments.

Transportation & Disposal Price -- The total charge for transporting hazardous waste from UNIVERSITY facilities to an approved TSDF, including any necessary profiling, manifesting, or other documentation associated with proper waste disposal, the per unit price, waste stream approval fees, penalties, and other surcharges for the final disposition of the waste.

TSDF -- Means Treatment, Storage, or Disposal Facility, as defined in Title 22 California Code of Regulations, Section 66260.10 and in Title 40 Code of Federal Regulations 260.10.

University Affiliates -- Institutions or businesses which have a close business relationship with the UNIVERSITY and allow the UNIVERSITY to establish Agreements on its behalf.

University Technical Representative -- Refers to the individual within the UNIVERSITY who will be

responsible for the daily coordination of all activities relating to the implementation, design, and control of this Agreement.

Work -- "Work" shall include all obligations, duties, requirements, and responsibilities required for the successful completion of the Agreement by the CONTRACTOR, including the furnishing of all supervision, labor, materials, equipment and other supplies, incidental with the execution of the Agreement and in accordance with the terms and conditions set forth in this Agreement.

PART B GENERAL REQUIREMENTS, TERMS & CONDITIONS

1. AGREEMENT PERIOD

1.1 Initial Agreement Period
The initial Agreement period shall commence February 1, 1997 and end on January 31, 2000. The original Agreement term will be for a period of three (3) years.

1.2 Agreement Extension
The UNIVERSITY, at its sole option, reserves the right, and CONTRACTOR as a condition of the solicitation, agrees to allow the UNIVERSITY the option to extend, solely and at its discretion, this Agreement term for up to four (4) additional one year period(s), at the same prices or pricing basis, terms, and conditions as the original Agreement. CONTRACTOR recognizes and agrees that the business obtained by CONTRACTOR under an extension will constitute the sole consideration for the extension.

In the event any of the above options are not exercised and additional time is required by the UNIVERSITY to initiate a new Agreement, CONTRACTOR agrees to continue providing services to the UNIVERSITY on a month-to-month basis, for a period not to exceed six (6) months, at the prices, terms and conditions in effect during the prior period.

1.3 Probationary Period
CONTRACTOR will be given a six (6) month probationary period by each campus committing to the Agreement block(s) awarded, during which the CONTRACTOR must demonstrate compliance with Agreement requirements. Each Campus reserves the right to extend the probationary period for an additional six months. Service will be monitored for compliance in the following areas:

1) Timeliness (reference RFP scheduling requirements in Section 5.2.1 Product Specifications)
2) Accuracy of pricing and invoicing (reference RFP Sections 3. Pricing and 4. Invoicing)
3) [illegible] (reference RFP Section 5.1 through 5.1.5)
4) Technical Specifications, including adherence to Operational Plan (reference RFP Section 5.2)
5) Warranty (reference RFP Section 5.3)
6) Delivery Requirements (reference RFP Section 5.4)
7) Compliance with insurance requirements (reference RFP Section 6.2)
8) Qualifications of assigned CONTRACTOR personnel (reference section 5.2.3).
9) Compliance with all health and safety requirements outlined in attachment 5 Task G.

UNIVERSITY reserves the right to terminate this Agreement by individual participating Campus, National Laboratory, or all participating parties with 10 days written notice if the UNIVERSITY deems the CONTRACTOR has failed to demonstrate full compliance to the Agreement requirements during the probationary period. The UNIVERSITY shall be the sole judge as to whether or not CONTRACTOR is in compliance. Upon termination of this Agreement the UNIVERSITY may then go to the second lowest responsible bidder for an Agreement, if it is deemed to be in the interest of the UNIVERSITY.

Quality of service during the probationary period is to be representative of the quality CONTRACTOR will

provide during the entire Agreement period. Each campus will establish a performance evaluation meeting schedule with CONTRACTOR.

2. USAGE

2.1 Agreement Utilization

The UNIVERSITY System recognizes CONTRACTOR as a preferred source for processes and services awarded under this Agreement. This Agreement is not intended to be an exclusive Agreement for purchases by the UNIVERSITY or the National Laboratories. The UNIVERSITY retains all rights to purchase like items and services from other sources, when considered to be in the best interest of the UNIVERSITY.

Usage to be on an as needed basis.

Failure of the UNIVERSITY to purchase estimated quantities shall not constitute either a breach of this Agreement or grounds for termination or cancellation of this Agreement.

Initially participating campuses are University of California, Riverside (UCR), University of California, San Francisco (UCSF), University of California, Berkeley (UCB), University of California, Davis (UCD), and University of California, San Diego (UCSD).

Campuses, at their sole option, that reserve the right to participate in the Agreement at some future date are the University of California, Santa Barbara (UCSB), University of California, Irvine (UCI), University of California, Santa Cruz (UCSC), and University of California, Los Angeles (UCLA).

Lawrence Berkeley and Lawrence Livermore National Laboratories are authorized to utilize this Agreement. Each of the National Laboratories, acting on an independent basis, will declare within sixty days of the implementation of any resulting Agreements, their intention to either fully or partially participate in this Agreement under the terms and conditions solicited or to exclude themselves from such participation. The UNIVERSITY reserves the right during the term of this Agreement to add or delete UNIVERSITY affiliates by providing written notice of said intent to CONTRACTOR.

At the present time, and in no way binding, the Lawrence Livermore National Laboratory and Lawrence Berkeley National Laboratory intend to utilize this Agreement for the waste streams described in Attachment 2 (Campus Specific Requirements).

2.2 Quantity Estimates

The UNIVERSITY estimates the annual usage for the initial term of this Agreement to be as noted on Attachment 1 of RFP083SF044. The UNIVERSITY shall not be bound to this estimate.

Estimated weights and volume are provided *only* as a guideline for preparing the quote/proposal, and are not a guarantee by the UNIVERSITY to dispose of more or less than the estimated volume. Variations between actual volumes and estimated volumes do not warrant future price changes.

The Block Description Attachment describes UNIVERSITY waste streams in terms of Blocks. For

purposes of this Agreement each waste stream is a considered a waste category.

The UNIVERSITY has estimated the annual volume generated for each waste stream. This is indicated in Column 3 as the "estimated annual usage," or EAU. This volume is not a guaranteed volume, rather it is a projection based upon campus size, history, and both current and future waste management practices. Agreement Utilization- not all UNIVERSITY campuses are participating in this Agreement. The estimated annual volumes for non-participating campuses are listed for prospective CONTRACTORS to understand the potential Agreement volume.

The UNIVERSITY has indicated the preferred disposal method(s) in Column 4.

3. PRICING

3.1 Pricing Structure

UNIVERSITY shall pay CONTRACTOR for services rendered in accordance with fees stated in CONTRACTOR's submittal response to RFP083SF044, a copy of which is attached and incorporated herein as if fully written out.

Schedule of Charges pertains to all hazardous wastes received by CONTRACTOR for processing, recycling and or disposal. Pricing included in the Schedule of Charges are:

a) Packaging and removal at UNIVERSITY's location (full service)
b) Transportation by CONTRACTOR
c) Processing and treatment (including handling and disposal of containers)
l) Disposal
e) General labor, including miscellaneous waste management duties such as lab packing and any necessary profiling, manifesting, or other documentation associated with proper waste disposal. Includes labor and materials to prepare work site and cleanup to previous site condition

All lab pack (LP) prices billed on a per pound basis shall be invoiced based upon the net weight (see Net Weight definition).

Bulk solids are billed on a per pound basis on the weight of the internal waste material only, excluding the outer shipping container.

Non-lab pack or bulk liquids are billed on a per gallon basis based on the volume of liquid in the container. Drums shall be considered to have a 10% head space, regardless of container size, example: a 55 gallon drum would be considered to contain a maximum of 49.5 gallons.

Compressed gas cylinders shall be invoiced on a per piece basis.

Pricing quoted in this Agreement is inclusive of all costs. The UNIVERSITY will not pay any undisclosed fees in this Agreement.

3.1.1 Discounts

In addition to items specifically contracted for, UNIVERSITY is entitled to purchase under this Agreement any item or service offered commercially by CONTRACTOR. Pricing shall be at the same discount level(s), terms and conditions offered to the UNIVERSITY on items or services listed herein or attached hereto unless otherwise stated. Pricing for other products and services are to be quoted from CONTRACTOR's current price list at time of shipment less applicable discount.

3.1.2 Basis for Price Adjustments

The UNIVERSITY accepts CONTRACTOR's offer of any price declines during the period of this Agreement, effective at the time of announcement of said price decline(s).

Price increases arising from governmentally imposed fees or charges shall be passed through to the UNIVERSITY immediately upon written notice of the same.

All Rate increases during the term of this Agreement must be in writing and must be accompanied by supporting documents.

The maximum price increase in any twelve (12) month pricing period shall be 3.5 percent (3.5%) or the rate of inflation in the Consumer Price Index (CPI) for the United States, whichever is less. Prices shall be adjusted no more than once every twelve months.

Ninety (90) days advance written notice of annual price adjustment must be sent to Attn.: Planned Purchasing and reference the Systemwide Agreement Number. The UNIVERSITY must approve any price adjustment prior to its effective date. The UNIVERSITY reserves the right to negotiate the amount of price adjustment if, in the opinion of the UNIVERSITY, the price adjustment is excessive.

3.1.3 Special Pricing

The UNIVERSITY shall receive the benefit of any promotional and or quantity discounts offered to other customers during this Agreement period if such discounts would result in a lower selling price to the UNIVERSITY.

3.2 Price Protection and Certification

Pricing of an order is to be based on the *date the order for the service request is placed* as opposed to prices in effect at time of delivery or service.

Should CONTRACTOR, during the term of the Agreement, sell material and or service in similar quantity to any other domestic consumer at a lower price, determined on a delivered basis, than in effect hereunder, then UNIVERSITY shall receive the benefit of such lower price on all shipments and service made while such lower price(s) is effective. CONTRACTOR is obligated to notify the UNIVERSITY of such a lower price agreement. This paragraph shall not apply to any agreement , contract or purchase order entered into with any UNIVERSITY campus or participating affiliate before the effective date of the Agreement.

Termination of any existing campus contract by CONTRACTOR during the term of the Agreement may demonstrate an unacceptable record by the CONTRACTOR and may provide a basis for the termination by the UNIVERSITY under Section 6.5.2 or this Section.

CONTRACTOR shall pay each employee on national laboratory work not less than the general prevailing wage rate in effect in the locality in which the work is done.

UNIVERSITY reserves the right to purchase services elsewhere after the initial pricing period, if price changes submitted for future pricing periods are deemed unacceptable, or if the quality of services is determined to be unacceptable by the UNIVERSITY. Prices must by deemed reasonable and not excessive by the UNIVERSITY on a campus by campus basis for each block category.

CONTRACTOR warrants to the best of its knowledge that the prices offered herein are equal to or are the lowest offered to any customer.

3.3 Freight and Handling Charges

All goods shall be F.O.B. UNIVERSITY facility, freight prepaid and allowed inbound and outbound (UNIVERSITY is not responsible for paying freight charges), price is to include handling, refrigeration (including dry ice), packaging and shipping related charges.

3.4 Returned Goods

CONTRACTOR shall be financially responsible for all labor, materials, transportation, analytical laboratory fees, final disposal and other related charges incurred on any waste rejected at processing or disposal facilities for waste packaged or pre-approved by the CONTRACTOR.

3.5 Taxes

Tax status may vary, depending upon the nature of the funding source. Goods purchased with Federal funds, whereby title for goods passes directly to the government, are tax exempt. The UNIVERSITY person placing the purchase order will advise CONTRACTOR if the order is tax exempt. If no notification on tax status is given to CONTRACTOR, CONTRACTOR shall consider the products to be taxable and services to be not taxable. CONTRACTOR's quotes shall include all applicable taxes.

4. INVOICING

Invoicing shall meet the following requirements:

- Invoices shall be net Agreement pricing, only. Invoices must show the UNIVERSITY reference purchase order number and be submitted in duplicate to UNIVERSITY, in arrears.
- Applicable tax must be shown as a separate line item.
- To ensure prompt payment, invoice must match the Agreement pricing.
- Billing address to be specified by UNIVERSITY Campus EH&S Officer at time of order.
- Invoices shall be organized and formatted such that line item pricing corresponds specifically to line items for specific manifest numbers, container packing and inventory documentation. Formatting must allow for easy verification of pricing on an item by item basis. The following information, in spreadsheet form, must accompany invoicing for each shipping container. Campuses are to be provided spreadsheets containing items 1-6 from the following list, additional fields from items 7-11, shall be provided if requested:

1. Manifest number
2. Container numbers
3. Net weight, or gallons bulk liquid, of hazardous waste in each shipping container
4. Gross weight of each shipping container
5. Cost/unit by waste type and service level (full service or T&D)
6. Total cost
7. Line items on manifest applicable to each container
8. Shipping container size and type
9. Hazardous waste description for each container
10. TSDF destination
11. Disposal method

Accurate invoicing is important to the UNIVERSITY. If, during the course of business, the UNIVERSITY discovers that overcharges have occurred on invoices, CONTRACTOR agrees to reimburse the amount of the overcharge plus pay the UNIVERSITY a sum equal to overcharge to cover liquidated damages. Inaccurate invoices will be rejected.

4.1 Payment Terms

Standard payment terms are Net 30 days after receipt of goods or services and final acceptance or invoice, whichever is later. Final acceptance is when hazardous waste material has been removed from the UNIVERSITY's site and the UNIVERSITY has received a copy of TSDF signed manifest by the final disposal site for the order.

4.2 Timely Notification of Past Due Invoices

UNIVERSITY monies are typically allocated for specific fund years, therefore failure to have invoices paid and cleared during a specific period of time may result in the loss of said monies to the UNIVERSITY. Therefore, the UNIVERSITY requires the CONTRACTOR take responsibility for notifying the UNIVERSITY when an invoice is over 90 days past due. Invoices older than six months for which the UNIVERSITY has not been previously notified in writing, will not be considered for payment.

A telephone call and a confirming letter specifying that the invoice numbers named are past due is necessary since the UNIVERSITY does not pay from Statements.

5. SPECIFICATIONS

5.1 Scope of Work

The work described below will vary depending on the site and campus where the wastes are generated. Each UC campus, laboratory or field station may have localized specifications such as scheduling, response time, pick-up locations, record keeping requirements, special reports, tracking and invoicing. A campus may request CONTRACTOR to provide Agreement pricing for support services.

Work shall consist of packing (if requested by a Campus), transportation and disposal of UNIVERSITY hazardous wastes, including a wide variety of chemicals from research and instructional laboratories and medical centers. It also includes wastes from campus services such as: paint shops, machine shops,

transportation services (automotive and equipment repair), plating shops, agriculture stations, building and boiler maintenance, electrical maintenance, carpenter shops, and light bulb replacements.

Lab packs leaving the University for disposal must not be broken apart prior to receival at the final treatment/disposal site, but each drum and 100% of its contents must be disposed of using the method approved by the University unless prior approval is received from the University's technical Representative. If a lab pack is broken apart, each item must be tracked separately, unless the lab pack is repackaged, containing only items it originally contained. Lab pack repackaging shall not be done without expressed written prior approval from the UNIVERSITY.

Required work may include a varying degree of lab pack and bulking services at each Campus. Some UNIVERSITY sites may only require transportation and disposal of hazardous waste lab packed by the UNIVERSITY. Other UNIVERSITY sites may require "full service"(see Section 2. Definitions) or a combination of both.

A Campus may request CONTRACTOR to provide Agreement pricing for labor and equipment for cleaning up hazardous material releases resulting from emergency spill situations.

A Campus may request CONTRACTOR to provide Agreement pricing for consulting services in matters of disposal of hazardous wastes. CONTRACTOR shall provide routine inquiries regarding packaging, profiling, manifesting, transporting, and disposal, re-using, or recycling at no charge.

Waste Analytical Testing

If required to perform waste analyses testing, CONTRACTOR shall provide to the UNIVERSITY, analytical documentation of all tests; including type of test, method, date and time, results, location of tests nd person performing tests. UNIVERSITY shall not be charged for routine or mandatory testing (e.g., Btu and pH analysis) required to process or dispose of UNIVERSITY waste. CONTRACTOR shall obtain verbal UNIVERSITY approval by the EH&S Officer prior to performing any waste analysis to be charged to the UNIVERSITY.

Treatment/Disposal Method

It is the UNIVERSITY's desire to use the most environmentally safe and cost effective U.S. Environmental Protection Agency (USEPA) and California EPA (Cal/EPA) approved methods for the disposition of its waste, prioritized as follows:

1). Recycle/Recovery
2). Chemical or biological Treatment/Neutralization
3). Incineration and Destruction
4). Stabilization/Landfill in residuals Repository

Packaging, transportation, removal, treatment and disposal of all hazardous wastes shall be in accordance with all applicable local, State and Federal Laws and regulations.

Waste materials shall not be disposed of by deep well injection. All TSDF sites must be within the continental United States.

CONTRACTOR shall return the TSDF copy of the manifest to the UNIVERSITY within thirty (30) calendar days. CONTRACTOR shall supply a Certificate of Destruction, Certificate of Disposal, or Certificate of Recycling within one calendar year for each container shipped from any UNIVERSITY site. Failure to provide the Certificate of Destruction, Certificate of Disposal or Certification of Recycling within one calendar year shall result in liquidated damages equal to 10% of CONTRACTOR's invoice charge for said waste disposal for each month the certificate is delinquent.

5.1.1 Sales Service and Support

CONTRACTOR shall consult with each Campus EH&S Officer or UNIVERSITY affiliate to establish a frequency for sales and service calls.

5.1.2 Technical Service and Support

CONTRACTOR shall provide to each Campus, within 15 days of Agreement start date, a list of personnel servicing the Campus, including drivers. Attached to the listing shall be the qualifications, training, licenses, and permits associated with each of the staff listed. UNIVERSITY Campuses shall be advised in writing on a timely basis (within 7 days of change in CONTRACTOR personnel) if personnel are to be changed. CONTRACTOR personnel turnover results in additional site specific training and loss of efficiencies. therefore, CONTRACTOR will discount the rate charged for new personnel by half during the first week each time CONTRACTOR replaces existing personnel. This applies to general labor personnel exceeding 20 hours per week at a UNIVERSITY site. These listings shall be updated every 12 months and provided to the appropriate Campus EH&S Officer.

CONTRACTOR agrees to report, within 24 hours, to the respective Campus EH&S Officer any injuries occurring during the normal course of work for the UNIVERSITY on UNIVERSITY premises or while waste is in transit.

5.1.3 Special Projects and Standard Hours of Operation

UNIVERSITY's hours of operation are site specific, however generally from 8:00 am to 5:00 p.m. Pacific Time, Monday through Friday, excluding National holidays. Hours of operation may vary somewhat at the National Laboratories. All routine business except for emergency response are to be conducted during these times unless the UNIVERSITY specifies other times. (CONTRACTOR must obtain written approval from a EH&S Officer to operate outside of these hours.)

Premium rates will not be paid unless agreed upon by the Campus EH&S Officer in advance of work performed. The UNIVERSITY considers overtime work as work in excess of 8 consecutive hours in one day or work on weekends and National holidays. Travel time is included in CONTRACTOR's hourly rates and is at no additional charge.

<u>On-site Service</u>

CONTRACTOR shall have a minimum of two crew members on site at all times or as specified by site specification for handling hazardous waste. Both crew members (including the on site supervisor) must be familiar with the specific UNIVERSITY Campus locations, packaging, shipping and disposal operations.

All crew will be on site at the agreed upon time. Daily work schedule for CONTRACTOR's crew on site and for off site shipments will be established in consultation with each Campus EH&S Officer.

5.1.4 Response Time

Waste streams requiring a new profile must be removed from job sites within a mutually agreed upon time, ut not more than 10 working days after the necessary approvals and permits have been obtained, and within a total of 20 working days of receipt of individual telephone or written orders. Waste streams not requiring new profiles must be removed from jobsites within a mutually agreed upon time, but not more than 10 working days of receipt of individual telephone or written orders.

5.1.5 Personnel

Approval of all Subcontractors and Contractor's Crew

The UNIVERSITY reserves the right to approve all subcontractors and CONTRACTOR's crew used in the performance of this Agreement.

Recruitment of Personnel

The UNIVERSITY has a policy of open personnel recruitment, which includes posting of position vacancies by notices, flyers and advertisements. Individuals from CONTRACTOR's employ may, therefore, learn of such openings and may apply and will be considered for employment in the same manner as any other job applicant. However, the UNIVERSITY agrees not to have "targeted" or directed recruitment toward individuals employed by CONTRACTOR.

In the event an individual employed by CONTRACTOR obtains UNIVERSITY employment through the open recruitment process, the UNIVERSITY agrees not to begin such employment until a minimum of thirty (30) days after the individual has given the CONTRACTOR written notice of intent to accept UNIVERSITY employment. This is in lieu of any amount otherwise charged as a placement or recruitment fee by CONTRACTOR and shall completely discharge and release the UNIVERSITY from and against any laim for placement, recruitment or similar fees.

5.2 Technical Specifications

Operation Plan - CONTRACTOR is required to provide each Campus EH&S Officer with a current site specific O[illegible] Plan describing the operations necessary to package, remove, transfer, treat and dispose of w[illegible] At a [illegible]nimum the plan must include the following:

1) The Spill Control and Countermeasure (SCC) Plan.
[illegible]y and [illegible]condary pick-up routes to, and departure routes from the UNIVERSITY [illegible]cati[illegible]
[illegible] The p[illegible]ay of treatment and disposal of each waste stream including planned [illegible]t, the routes to and from any Transfer, Storage, Treatment/Disposal or [illegible] disposal at approved landfill facilities, and a detailed description of the [illegible]t those sites, including co-mingling and recycling of hazardous waste.
4) [illegible] of all facilities to be used by CONTRACTOR. Information provided shall include [illegible] Identification Number, trade name, address, phone number, hours of [illegible]peration, description of operation and ownership.
5) The time required from removal to final disposal, for the waste, on any given day.
6) A Contingen[illegible] Plan, including complete information on back-up facilities and procedures, and the conditions under which they would be implemented.

7) All participating CONTRACTOR employees must have read and signed CONTRACTOR's Operation Plan and the UNIVERSITY's contingency plan.

CONTRACTOR must inform the UNIVERSITY in writing at least seven (7) working days of any changes in the Operation Plan before such changes take place. Any unforeseen occurrences which result either in implementation of the Contingency Plan or deviation from the Operation Plan must be communicated to the Campus EH&S Officer within 24 hours of such an occurrence.

5.2.1 Product Specifications

Each UNIVERSITY Campus, Laboratory or field station may have localized specifications or requirements such as scheduling, response time, pick-up locations, security, record keeping requirements, and invoicing. *See Attachment 2 for specific campus requirements.*

5.2.2 Performance Guarantee /Compliance Level

Clean up of hazardous waste spills must meet the satisfaction of the Campus EH&S Officer. Clean up includes housekeeping of the shipment preparation area to a condition equal to what existed prior to CONTRACTOR's arrival on site.

CONTRACTOR must package, ship and dispose of waste in the most cost effective legal manner. CONTRACTOR shall follow CONTRACTOR's written Operation Plan for packaging, shipping and disposal options used for UNIVERSITY waste, a copy shall be provided to each Campus EH&S Officer. The UNIVERSITY reserves the right and option to disapprove of the use of a particular treatment and or disposal site prior to transportation of hazardous waste to the site.

CONTRACTOR agrees to use only motor carriers that meet the applicable the Department of Energy's Motor Carrier Evaluation Program to transport UNIVERSITY hazardous waste. CONTRACTOR shall not utilize motor carriers that have failed to be successfully evaluated under the Department of Energy's Motor Carrier Evaluation Program criteria.

5.2.3 Qualifications of Personnel

The UNIVERSITY is not to be used as a training ground for CONTRACTOR's crew.

CONTRACTOR or CONTRACTOR's subcontractor crew member(s) shall have a minimum of 2 years experience in job duties performed, unless specifically agreed upon by the EH&S Officer in advance of work performed.

5.2.4 Permitting and Licensure

Copies of all operating permits and licenses shall be provided to each Campus EH&S Officer and kept current. CONTRACTOR agrees to notify each Campus EH&S Officer in writing if:

1) CONTRACTOR is served with notice of a violation of any law, regulation, permit or license which relate to service(s);

2) Proceedings are commenced which could lead to revocation of permits or licenses which relate to service(s);

3) Permits, licenses or other governmental authorization relating to service(s) are revoked;

4) Litigation is commenced against CONTRACTOR which could affect the service(s);

5) CONTRACTOR becomes aware that its equipment or facilities are not in compliance with applicable laws, regulations, permits or licenses.

CONTRACTOR must possess and maintain, all appropriate licenses, certificates and permits applicable to this Agreement.

5.2.5 Management Reports

The reports required of CONTRACTOR are an essential component of this Agreement. The reports aid in the measuring of performance and gauging the level of satisfaction by the UNIVERSITY as a customer. The UNIVERSITY has established minimum reporting guidelines.. The applicable reports are due on the date specified and in the format requested. Failure to consistently meet these reporting requirements will be basis for cancellation for cause under *Termination of Contact.* All reports are to be Campus specific and provided to Campus EH&S Officer. The UNIVERSITY may request the reports to be provided on various electronic media compatible with UNIVERSITY computer hardware and software. Suppliers are expected to comply with this request. Reports provided become the property of the UNIVERSITY.

CONTRACTOR shall consider all reports and UNIVERSITY data confidential and shall not distribute to any entity without the written permission of the UNIVERSITY.

CONTRACTOR shall furnish an annual usage report for each Campus and a summary report to the UNIVERSITY of California Office of the President EH&S Office and Planned Purchasing (see Part C, 7. Contacts with University Management). Timely submittal of reports is critical to the continuation of this Agreement. In a summary report CONTRACTOR is to identify savings and value added services attributed to this Agreement on an annualized basis. Reports are due July 20 of each calendar year, including the first six months of the initial Agreement.

CONTRACTOR shall also furnish information to complete reports required by the Hazardous Waste Source Reduction and Management Review Act of 1989 (SB 14) and provide each campus with the data required to complete the U.S. EPA Biennial Report. CONTRACTOR may be required to provide data to satisfy other legal reporting requirements of the UNIVERSITY.

Reports for the UNIVERSITY shall be at no additional cost to the UNIVERSITY.

The UNIVERSITY expects all areas of its relationship with the CONTRACTOR partner to be quantitatively assessed and managed for service, proficiency, efficiency and effectiveness. Therefore, the UNIVERSITY requires the CONTRACTOR's Total Quality Management (TQM) program to proactively monitor the total quality of its services to the UNIVERSITY, and implement programs which take action to improve or enhance the level of quality and customer satisfaction provided.

5.3 Warranties

The goods and services furnished under this Agreement shall be the most favorable commercial warranties

CONTRACTOR offers to any customer for the same or substantially similar goods and services.

CONTRACTOR warrants that the TSDF sites utilized are in compliance with applicable federal, state and local laws, rules and regulations, are suitable to receive, and may lawfully receive, the specific hazardous materials and wastes delivered to it.

CONTRACTOR agrees that it shall immediately notify the UNIVERSITY if any TSDF is uses fails to comply with applicable laws, rules or regulations, or becomes unsuitable to receive the hazardous materials and waste delivered to it.

CONTRACTOR warrants that in the event of an accidental discharge or release of hazardous materials, CONTRACTOR shall, with due diligence, take immediate steps as required by federal, state, and local laws and regulations, and shall immediately notify the UNIVERSITY of all details regarding the accidental discharge or release of UNIVERSITY generated waste. CONTRACTOR shall only permit appropriate personnel within its company to make public statements, or issue news releases regarding the accidental discharge and CONTRACTOR specifically agrees that on any such occasions to consult with the UNIVERSITY before making any public statements or issuing any press statements which would identify the UNIVERSITY by name.

5.4 Delivery Requirements

5.4.1 Order Placement
CONTRACTOR will accept verbal order releases against this Agreement.

The UNIVERSITY shall have the right to cancel an item or service that has not or cannot be shipped in full as ordered within the agreed upon delivery time, and to reorder the item or items from another supplier.

5.4.2 Authorizations
All revised releases or services requested require approval of the Campus EH&S Officer.

5.4.3 Service Schedule
CONTRACTOR shall provide support services in accordance with Attachment 5 Support Services and Attachment 2 for each site. CONTRACTOR is expected to provide service on occasion within 24 hours of a request.

CONTRACTOR agrees to remove all hazardous waste containers from UNIVERSITY premises according to a mutually agreed upon schedule for each location.

5.4.4 Order Size
No minimum order quantity for waste pickup.

5.4.5 Delivery Site/Location
Treatment/Disposal Sites
All designated hazardous waste treatment/disposal sites must have appropriate approvals, permits and licenses as required by federal, state and local governments. CONTRACTOR shall identify for the

UNIVERSITY the proposed and alternate sites to be used during the term of any resultant Agreement . Any change of treatment/disposal sites after the awarding of this Agreement must be approved by the UNIVERSITY in writing.

Contractor shall avoid shipping during traffic rush hours, generally between 7-9 a.m. and 4-6 p.m., if requested.

5.4.6 Inspection

The UNIVERSI reserves the right to perform an on site audit of all Transfer, Storage and Treatment/ Disposal Facilit transporters operated and/or utilized by the CONTRACTOR.

5.4.7 ivery structions/Requirements

CO shall certify that all drivers who service UNIVERSITY sites, have current, valid California ers Lice with current Hazardous Materials Endorsements. The endorsement must meet the criteria ehicle driven (air brakes, dual axles, etc.). Each driver must be enrolled in the Californ otor Vehicles "Pull Notice Program" and maintain records for the term of this A OR shall comply with the U.S. Department of Transportation, Alcohol and Drug Test rules

CONTRAC dri ll follow all federal, state and local laws, rules, and regulations and will notify the UNIVI dents, spills or releases while transporting its waste. CONTRACTOR may be required to oll utes specified by the UNIVERSITY.

Each vehicle or haul the UNIVERSITY waste must have all applicable hazardous waste hauler permits.

Each vehicle trailer haul the UNIVERSITY waste must be equipped with emergency response equipment an materials dle a spill or release of the waste being transported.

5.4.8 Packaging

CONT R shall s written notice to UNIVERSITY of any change in packaging requirement ered by th nt of which the CONTRACTOR has knowledge.

All waste containers and ainers (prior to transport) shall be weighed using accurate and ca ted scales. CONT CT R sh provide each Campus EH&S Officer with calibration certifications for a d to w ERS Y waste for invoicing purposes. Scales shall be calibrated every six months. INV pus retains the right to allow alternatively CONTRACTOR may use UNIVERSITY NTRACTOR may be required to bring a bench scale to some sites.

CONTRACTOR agrees to provide cation that CONTRACTOR supplied containers are in compliance with DOT regulations.

UNIVERSITY reserves the right and option to supply containers for use by CONTRACTOR for disposal of UNIVERSITY hazardous waste materials. If the UNIVERSITY furnishes a container for Full Service work, CONTRACTOR agrees to reimburse the UNIVERSITY for the cost of the container.

5.4.9 Documentation

All waste to be shipped will be designated by tracking numbers and legibly recorded on inventory packing documents to the satisfaction of the Campus EH&S Officer.

6. GENERAL CONDITIONS

6.1 Other

The UNIVERSITY publishes Campus Contracts and Systemwide Agreements on the Internet under a World Wide Web site with restricted access for use by the UNIVERSITY OF CALIFORNIA. The UNIVERSITY is a public agency and does not consider pricing as confidential information once a Contract or Agreement has been awarded. Protection of proprietary information and business secrets is described in Part C, Section 8 of RFP083SF044.

6.1.1 Late Interest Charges

Payments for UNIVERSITY purchases under this Agreement shall not be subject to any late charges or interest charges.

6.1.2 Loss of Equipment

The UNIVERSITY will not be responsible for the loss of equipment or materials left on UNIVERSITY premises by a vendor during the performance of work covered by the purchase Agreement.

6.1.3 No Free Parking

No free parking facilities are provided by the UNIVERSITY for CONTRACTOR or CONTRACTOR's subcontractors vehicles or employees.

UNIVERSITY may require vehicles parked on UNIVERSITY property be registered and be subject to the fees established by each Campus. Instructions and recommendations for parking will be provided to the CONTRACTOR by each Campus.

6.1.4 Ethics

CONTRACTOR shall comply with UNIVERSITY policies on gifts and gratuities.

CONTRACTOR shall exercise reasonable care and diligence to prevent any action or conditions which could result in a conflict with the UNIVERSITY's interest. During the term of this Agreement, CONTRACTOR shall not accept any employment or engage in any work which creates a conflict of interest with the UNIVERSITY or in any way compromises the work to be performed under this Agreement. CONTRACTOR and or its employees shall not offer substantial gifts, entertainment, payments, loans, or other consideration to UNIVERSITY employees, their families, other CONTRACTORS, subcontractors, and other third parties for the purpose of influencing such persons to act contrary to the UNIVERSITY's interest. CONTRACTOR shall immediately notify the UNIVERSITY of any and all such violations of this clause upon becoming aware of such violations.

6.1.5 Right to Know Legislation
CONTRACTOR shall comply with all enacted "right to know" legislation and all requirements established by the State of California, Federal and local governments pertaining to chemicals and hazardous substances, including those issued by California Occupational Safety Health Administration (Cal OSHA), Occupational Safety Health Administration (OSHA), USEPA and Cal/EPA.

6.1.6 Relationship of Parties
Nothing herein shall be construed to place the parties in the relationship of agent, partners or joint ventures or employer-employee and neither shall have the right to obligate or bind the other party in any matter whatsoever.

6.1.7 Indemnification
UNIVERSITY shall defend, indemnify and hold CONTRACTOR, its officers, agents, and employees harmless from and against any and all liability, loss, expense, including reasonable attorney's fees, or claims for injury or damages arising out of the performance of this Agreement but only in proportion to and to the extent such liability, loss, expense, attorney's fees, or claims for injury or damages are caused by or result from the negligent or intentional acts or omissions of UNIVERSITY, its officers, agents or employees.

CONTRACTOR shall defend, indemnify and hold UNIVERSITY, its officers, agents, and employees harmless from and against any and all liability, loss, expense, including reasonable attorney's fees, or claims for injury or damages arising out of the performance of this Agreement but only in proportion to and to the extent such liability, loss, expense, attorney's fees, or claims for injury or damages are caused by or result from the negligent or intentional acts or omissions of CONTRACTOR, its officers, agents or employees.

6.1.8 Contacts with University Management

U.S. Mail:

Dave Kolsom, Purchasing Manager
Procurement and Business Contracts Unit
UNIVERSITY OF CALIFORNIA, Berkeley
MC5600
Berkeley, CA 94720-5600
Phone: 510-643-5709; fax 510-642-8604

or Express Mail:

6701 San Pablo Ave., Suite #218
Oakland, CA 94608-1239

Direct Systemwide technical queries to:

David Belk, UC Office of the President
300 Lakeside Dr., 12th Floor
Oakland, CA 94612

6.2 Insurance Requirements

CONTRACTOR shall provide UNIVERSITY with certification, by a properly qualified representative of the insurer, that CONTRACTOR's insurance complies with the requirements of this section. In addition, such certification shall describe each of the coverages below and on the attached Appendix A which must be written on an "occurrence" form.

Comprehensive or Commercial Form General Liability Insurance (contractual liability included and products and completed operation included) minimum limits $5,000,000 per occurrence and in the aggregate.

Pollution or environmental impairment liability with a limit of $5,000,000 per occurrence and in the aggregate.

Business Automobile Liability (owned, scheduled, non-owned, or hired automobiles) with a combined single limit of no less than $5,000,000 per occurrence and in the aggregate.

All insurance will provide for a Waiver of Subrogation waiving any right of recovery against the UNIVERSITY.

The term "the Insured" is hereby used severally and not collectively, but the inclusion herein of more than one insured shall not operate to increase the limits of the insurer's or insurers' liability.

In the event of claims being made under any of the coverages of the policy or policies referred to herein by one or more insureds hereunder for which another or other insured hereunder may be liable, then the policy or policies shall cover such insured or insureds against whom a claim is made or may be made in the same manner as if separate policies had been issued to each insured hereunder. Nothing contained herein, however, shall operate to increase the insurer's or insurers' limits of liability as set forth in the insuring agreements.

The insurance evidenced shall be primary insurance and not excess over or contributory with any other insurance or self-insurance of the UNIVERSITY.

All insurance policies required shall be issued by companies who hold a current Policyholder's Alphabetic and Financial Size Category Rating of not less than A XIII according to Bests Insurance Reports.

CONTRACTOR shall not start work until all certificates of insurance have been provided to the UNIVERSITY. CONTRACTOR hereby agrees that no payment shall be made by the UNIVERSITY until UNIVERSITY is in receipt of CONTRACTOR's insurance certificate. All insurance coverages and carriers are subject to the approval of the UNIVERSITY.

The terms of Appendix "A" require that certificates must be issued naming THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, and depending on where the work is performed, the United States Government, as an additional insured.

6.3 Agreement Administration

All changes to the pricing or terms and conditions for this Agreement shall be done by a Agreement Supplement (Change Order). CONTRACTOR may request a change in rates or terms and conditions by submitting a written request to the UNIVERSITY. If the UNIVERSITY concurs with the request, an Agreement Supplement will be issued.

6.4 Record Keeping and Auditing

This Agreement shall be subject to the examination and audit of the Auditor General of the State of California, United States Department of Energy (DOE) and UNIVERSITY Planned Purchasing Materiel Management for a period of three years after final payment under this Agreement. The examination and audit shall be confined to those matters connected with the performance of this Agreement, including, but not limited to, the costs of administering this Agreement.

Until the expiration of four years after the furnishing of the services provided under this Agreement, CONTRACTOR will make available to the Secretary, U.S. Department of Health and Human Services, the U.S. Controller General, and their representatives, the Agreement and all books, documents and records necessary to certify the nature and extent of the costs of those services. If CONTRACTOR carries out the duties of this Agreement through a subcontract worth $10,000 or more over a 12 month period with a related organization, the subcontract will also contain an access clause to permit access by the Secretary, Controller General, and their representatives to the related organization's books and records.

6.5 Terms and Conditions

Purchase orders/order releases issued for goods or services covered by this Agreement shall be governed by RFP083SF044, RFP083SF044 Amendment 1, RFP083SF044 Amendment 2, the UNIVERSITY Terms and Conditions of Appendix A, Supplement 3, Supplement 5, CONTRACTOR's bid response submittal and bid response correspondence to RFP083SF044 and general provisions stated herein only, incorporated herein as if fully written out. In the event of conflict, the terms and conditions of the UNIVERSITY shall take precedence over CONTRACTOR's RFP083SF044 bid submittal response. Any different or additional terms contained in CONTRACTOR's purchase acknowledgment, or other document(s), are unacceptable to the UNIVERSITY and will be rejected.

Special Terms and Conditions for National Laboratories

The following modification of terms and conditions shall apply only to the National Laboratories.

CONTRACTOR shall comply with The Service Contract Act.

Article 9 - INDEMNITY

In Paragraph A. General, Paragraph B Proprietary Rights, and Paragraph C Products, the terms "University" or "University's" are used, these terms are replaced with "University or U. S. Government" or "University's or U. S. Government" respectively.

ARTICLE 16 - INSURANCE

In Paragraph B., the last sentence, change "University" to "University and U. S. Government".

In the last Paragraph of Article 16, change "The Regents of the University of California" to "The Regents of the University of California and U. S. Government".

ARTICLE 20 - TAXES
In the last Paragraph of Article 16, change "University" to "University and U. S. Government".

ARTICLE 23 - CLAUSES INCORPORATED BY REFERENCE
The FAR and DEAR clauses listed below, which are located in Chapters 1 and 9, respectively, of Title 48 of the Code of Federal Regulations, will be incorporated by reference as a part of this Agreement, for all work performed at the request of the National Laboratories, as prescribed below. As used in the clauses, the term "contract" shall mean the "Agreement"; the term "subcontractor" shall mean the CONTRACTOR's "subcontractor", and the terms "Government" and "Contracting Officer" shall mean the UNIVERSITY.

The CONTRACTOR shall include the listed clauses in its subcontracts at any tier for the work requested, to the extent applicable.

FAR 52.219-8 UTILIZATION OF SMALL, SMALL DISADVANTAGED AND WOMEN-OWNED SMALL BUSINESS CONCERNS (OCT. 1995), if the requested work exceeds $500,000

FAR 52.219-9 SMALL, SMALL DISADVANTAGED AND WOMEN-OWNED BUSINESS SUBCONTRACTING PLAN (OCT. 1995), if the requested work exceeds $500,000, unless the CONTRACTOR is a small business or there are no subcontracting possibilities

FAR 52.222-26 EQUAL OPPORTUNITY (APR. 1984)

FAR 52.222-35 AFFIRMATIVE ACTION FOR SPECIAL DISABLED AND VIETNAM ERA VETERANS (APR. 1984), if the requested work exceeds $10,000

FAR 52.222-36 AFFIRMATIVE ACTION FOR HANDICAPPED WORKERS (APR. 1984), if the requested work exceeds $2,500

FAR 52.227-1 AUTHORIZATION AND CONSENT (JUL. 1995), if the requested work is for services

FAR 52.227-3 PATENT INDEMNITY (APR. 1984), if the requested work is for services

FAR 52.244-6 SUBCONTRACTS FOR COMMERCIAL ITEMS AND COMMERCIAL COMPONENTS (OCT. 1995)

6.5.1 Product Liability Indemnity Provision

CONTRACTOR shall fully indemnify, defend, and hold harmless UNIVERSITY, its officers, agents, and employees from and against any and all claims, action, and liability, for injury, death, and property damage, arising out of the dispensing or use of any of the CONTRACTOR's products and services provided under authorized UNIVERSITY orders. In addition to the liability imposed by law on the CONTRACTOR for damage or injury (including death) to persons or property by reason of the negligence, willful acts or omissions, or strict liability of the CONTRACTOR or his agents, which liability is not impaired or otherwise affected hereby, the CONTRACTOR hereby assumes liability for and agrees to save UNIVERSITY harmless and indemnify it from every expense, liability or payment by reason of any damage or injury (including death) to persons or property suffered or claimed to have been suffered through any act or omission of the CONTRACTOR. The UNIVERSITY agrees to provide CONTRACTOR with

prompt notice of any such claims and to permit CONTRACTOR to defend any claim or suit, and that it will cooperate fully in such defense.

6.5.2 Termination of Agreement

This Agreement may be terminated by UNIVERSITY or CONTRACTOR for convenience in whole or in part at any time in accordance with the terms of Article 4 of the attached Appendix A. In the event of such termination, both parties agree to provide at least ninety (90) days prior written notice of the effective date of termination and the extent thereof.

If within ten (10) calendar days of receipt of written notice to CONTRACTOR from UNIVERSITY of CONTRACTOR's breach of any term or condition of this Agreement, CONTRACTOR shall fail to remedy such breach, then UNIVERSITY may, by prior written notice, terminate this Agreement in whole or in part at any time.

In addition to other remedies described in Article 4, it should be understood that future Agreements with the UNIVERSITY may be limited or withheld completely, pending re-establishment of an acceptable record by CONTRACTOR.

Termination of any existing campus contract by CONTRACTOR during the term of the Agreement may demonstrate an unacceptable record by the CONTRACTOR and may provide a basis for the termination by the UNIVERSITY under Section 3.2 or this Section.

6.5.3 Entire Agreement

This Agreement states the entire agreement between the parties in respect to the subject matter and supersedes any previous or contemporaneous oral or written proposals, statements, discussions, negotiations, or other agreements. The parties acknowledge that they have not been induced to enter into this Agreement by any oral or written representations or statements not expressly contained in this Agreement. This Agreement maybe modified, or any provision waived, only by writing signed by the parties.

Ensco Sch[illegible] of Charges

BLOCK	Item Description(s)	UOM	Disposal Method	Total Unit Price for Transportation & Disposal	Unit Price for (Full Service)	Transporter	TSDF 1	Final TSDF 2
1	LABPACK WASTES							
	Labpacks - Non-reactive	lb	Incinerate	$2.37	$3.27	See Attached List	Enco West Inc.	Encso, AR
	Labpacks - Reactive	lb	Incinerate	$6.35	$7.25	See Attached List	Enco West Inc.	Ensco, AR
	Labpacks - Paints	lb	Incinerate	$1.10	$2.00	See Attached List	Enco West Inc.	Ensco, AR
	Mercury - Salts/Solutions	lb	Recycle	$10.30	$11.20	See Attached List	Enco West Inc.	MR/BA/AERC
	PIH, Zone "A"s	lb	Incinerate	$1.42	$2.32	See Attached List	Enco West Inc.	Ensco, AR
	Dioxins	lb	Incinerate	$11.60	$12.50	See Attached List	Aptus Coffeyville	Aptus Coffeyville
	Volatile Liquids in Canisters	lb	Incinerate	$2.37	$3.27	See Attached List	Enco West Inc.	Ensco, AR
	Aerosol Cans	lb	Incinerate	$1.21	$2.11	See Attached List	Enco West Inc.	Ensco, AR
	Haz Categorization				$35.00	See Attached List	N/A	N/A
	Total Block 1							
2	BULK WASTES							
	Bulk Liquids - Aqueous	gal	Incinerate	$3.25	$5.02	See Attached List	Ensco West, Inc.	Ensco, AR
	Bulk Liquids - Organic Acids	gal	Incinerate	$4.64	$6.41	See Attached List	Ensco West, Inc.	Ensco, AR
	Bulk Solids - Lab Trash (Non-RCRA)	lb	Incinerate	$1.14	$1.52	See Attached List	Ensco West, Inc.	Ensco, AR
	Bulk Solids - Lab Trash (RCRA)	lb	Incinerate	$1.14	$1.52	See Attached List	Ensco West, Inc.	Ensco, AR
	Mercury - Debris	lb	Landfill	$1.18	$1.56	See Attached List	Ensco West, Inc.	Laidlaw-Westmorland
\	Bulk Solids - Soils	lb	Incinerate	$0.46	$0.84	See Attached List	Ensco West, Inc.	Ensco, AR
	Bulk Solids-Lithographic Ink	lb	Recycle	$1.27	$1.65	See Attached List	Ensco West, Inc.	Philip, Kansas
	Medical Sharps contaminated with Hazardous Wastes	lb	Incinerate	$1.27	$1.65	See Attached List	Ensco West, Inc.	Ensco, AR
	Empty Drums	ea	Recyc/Landfill	$15.00	$20.00	See Attached List	Ensco West, Inc.	Ted Levine, ECDC Westmorland
	Total Block 2							
3	RECYCLABLE SOLVENTS							
	Solvents for recycle	gal	Redistilled	$1.60	$3.37	See Attached List	Ensco West, Inc.	Osco
	Bulk Liquids - High BTU	gal	Recycle/Fuels	$1.87	$3.64	See Attached List	Ensco West, Inc.	Systech, Philip
	Bulk Liquids - Low BTU	gal	Recycle/Fuels	$3.25	$5.02	See Attached List	Ensco West, Inc.	Systech, Philip
	Total Block 3							

Ensco Sch of Charges

BLOCK	Item Description(s)	UOM	Disposal Method	Total Unit Price for Transportation & Disposal	Unit Price for (Full Service)	Transporter	TSDF 1	Final TSDF 2
4	RECYCLABLE METALS							
	Lead	lb	Recycle					
	Mercury	lb	Recycle					
	Copper	lb	Recycle					
	Magnesium	lb	Recycle					
	Barium	lb	Recycle					
5	PCB WASTES							
	PCBs - Liquids	gal	Incinerate					
	PCBs - Capacitors	lb	Recyc/Inc					
	PCBs - Ballasts	lb	Recyc/Inc					
	PCBs - Carcasses	lb	Recycle/Landfill					
	Total Block 5							
6	BATTERIES (NON-AUTO)							
	Batteries - Nickel/Cadmium	lb	Recycle	$0.96	$1.34	See Attached List	Ensco West, Inc.	Inmetco/Kins.
	Batteries - Lead Acid (non-auto)	lb	Recycle	$0.35	$0.73	See Attached List	Ensco West, Inc.	Kinsbursky
	Batteries - Lithium	lb	Incinerate	$3.45	$3.83	See Attached List	Ensco West, Inc.	Ensco, AR
	Batteries - Silver	lb	Recycle	$0.15	$0.53	See Attached List	Ensco West, Inc.	Kinsbursky
	Batteries - Carbon/Zinc	lb	Recycle	$0.60	$0.98	See Attached List	Ensco West, Inc.	Inmetco
	Batteries - Alkaline	lb	Recycle	$0.60	$0.98	See Attached List	Ensco West, Inc.	Inmentco
	Batteries - High Mercury	lb	Recycle	$10.15	$10.53	See Attached List	Ensco West, Inc.	MR/BA
	Total Block 6							
7	OILS AND AUTO WASTES							
	Recyclable Oil	gal	Recycle	$1.77	$3.54	See Attached List	Ensco West, Inc.	D.K.
	Antifreeze	gal	Recycle	$2.16	$3.93	See Attached List	Ensco West, Inc.	D.K.
	Oil and Water	gal	Recycle	$1.97	$3.74	See Attached List	Ensco West, Inc.	D.K.
	Oil Filters	lb	Recycle	$0.50	$0.88	See Attached List	Ensco West, Inc.	Filter Recycling
	Total Block 7							

Ensco Sche of Charges

BLOCK	Item Description(s)	UOM	Disposal Method	Total Unit Price for Transportation & Disposal	Unit Price for (Full Service)	Transporter	TSDF 1	Final TSDF 2
8	PHOTOGRAPHIC WASTES							
	Photographic Fixer	gal	Treat	$2.26	$4.03	See Attached List	Ensco West, Inc.	D.K., Norris
	Photographic Developer	gal	Treat	$2.26	$4.03	See Attached List	Ensco West, Inc.	D.K, Norris
	Photographic mixed Developers and Fixers and/or Replenishers	gal	Treat	$2.26	$4.03	See Attached List	Ensco West, Inc.	D.K. Norris
	Canisters/Cartridges	ea	Incinerate	$45.00	$59.00	See Attached List	Ensco West, Inc.	Ensco, AR
	Total Block 8							
9	PAINT WASTES							
	Bulk Paint (Flammable)	gal	Recycle	$1.87	$3.64	See Attached List	Ensco West, Inc.	Ensco AR, Systec
	Bulk Paint (Oil Base)	gal	Recycle	$1.87	$3.64	See Attached List	Ensco West, Inc.	Ensco AR, Systec
	Bulk Paint (Water Base)	gal	Recycle/Inc.	$3.25	$5.02	See Attached List	Ensco West, Inc.	Ensco, AR
	Bulk Paint (Solids)	lb	Incinerate	$0.80	$1.18	See Attached List	Ensco West, Inc.	Ensco, AR
	Bulk Regulated Metal Based Paint Solids	lb	Incinerate	$0.80	$1.18	See Attached List	Ensco West, Inc.	Ensco, AR
	Total Block 9							
10	LIGHT BULB WASTE							
	Fluorescent Tubes	ft	Recycle					
	High & Low Pressure Sodium bulbs	ft	Recycle					
	HID	ft	Recycle					
	Mercury Vapor Lightbulbs	ft	Recycle					
	Total Block 10 per foot							
11	GAS LECTURE BOTTLES (KNOWN)							
	Spheres (~8" diameter)							
	Flammable Gases	ea	Recycle/Treat/Incin					
	Inert/Noble Gases	ea	Recycle/Treat/Incin					
	Air Gases	ea	Recycle/Treat/Incin					
	Oxidizing Inorganic Gases	ea	Recycle/Treat/Incin					
	Water Reactive Inorganic Gases	ea	Recycle/Treat/Incin					
	Organic Metallic Liquids/Gases	ea	Recycle/Treat/Incin					
	Pyrophoric Liquids/Gases	ea	Recycle/Treat/Incin					
	Corrosive acid Gases	ea	Recycle/Treat/Incin					
	Poison Gases	ea	Recycle/Treat/Incin					

BLOCK	Item Description(s)	UOM	Disposal Method	Total Unit Price for Transportation & Disposal	Unit Price for (Full Service)	Transporter	TSDF 1	Final TSDF 2
	Lecture Bottles (<3" diameter by <13" long)							
	Flammable Gases	ea	Recycle/Treat/Incin					
	Inert/Noble Gases	ea	Recycle/Treat/Incin					
	Air Gases	ea	Recycle/Treat/Incin					
	Oxidizing Inorganic Gases	ea	Recycle/Treat/Incin					
	Water Reactive Inorganic Gases	ea	Recycle/Treat/Incin					
	Organic Metallic Liquids/Gases	ea	Recycle/Treat/Incin					
	Pyrophoric Liquids/Gases	ea	Recycle/Treat/Incin					
	Corrosive acid Gases	ea	Recycle/Treat/Incin					
	Poison Gases	ea	Recycle/Treat/Incin					
	Small Cylinders (<4" diameter by < 24" long)							
	Flammable Gases	ea	Recycle/Treat/Incin					
	Inert/Noble Gases	ea	Recycle/Treat/Incin					
	Air Gases	ea	Recycle/Treat/Incin					
	Oxidizing Inorganic Gases	ea	Recycle/Treat/Incin					
	Water Reactive Inorganic Gases	ea	Recycle/Treat/Incin					
	Organic Metallic Liquids/Gases	ea	Recycle/Treat/Incin					
	Pyrophoric Liquids/Gases	ea	Recycle/Treat/Incin					
	Corrosive acid Gases	ea	Recycle/Treat/Incin					
	Poison Gases	ea	Recycle/Treat/Incin					
	Sample Cylinders (<2" diameter by 6" long)							
	Flammable Gases	ea	Recycle/Treat/Incin					
	Inert/Noble Gases	ea	Recycle/Treat/Incin					
	Air Gases	ea	Recycle/Treat/Incin					
	Oxidizing Inorganic Gases	ea	Recycle/Treat/Incin					
	Water Reactive Inorganic Gases	ea	Recycle/Treat/Incin					
	Organic Metallic Liquids/Gases	ea	Recycle/Treat/Incin					
	Pyrophoric Liquids/Gases	ea	Recycle/Treat/Incin					
	Corrosive acid Gases	ea	Recycle/Treat/Incin					
	Poison Gases	ea	Recycle/Treat/Incin					
	Total for Block 11 per each							

BLOCK	Item Description(s)	UOM	Disposal Method	Total Unit Price for Transportation & Disposal	Unit Price for (Full Service)	Transporter	TSDF 1	Final TSDF 2
12	POTENTIALLY EXPLOSIVE WASTES		Incinerate					
	Reactive compounds not requiring stabilization	lb	Incinerate					
	Reactive compounds requiring stabilization	lb	Incinerate					
	Organic Peroxide	lb	Incinerate					
	Total Block 12 per lb							
13	ASBESTOS WASTES		Landfill					
	Asbestos Friable	lb	Landfill					
	Asbestos Non-Friable	lb	Landfill					
	Total Block 13 per lb							
14	PATHOLOGIC TISSUES							
	Animal Carcasses, Pathologic Human Tissues/Micro-Organisms/Regulated Medical Sharps	lb	Incinerate					
	Total Block 14 per lb							
15	DRUMS & PACKAGING MATERIALS			F.O.B. Uni	New/Reco	See Attached List	N/A	N/A
	85 gallon Steel Overpack	ea	N/A	$100.00	Recon.	See Attached List	N/A	N/A
	85 gallon Poly Overpack	ea	N/A	$150.00	Recon.	See Attached List	N/A	N/A
	55 gallon Steel Open Top	ea	N/A	$30.00	Recon.	See Attached List	N/A	N/A
	55 gallon Steel Bung Top	ea	N/A	$30.00	Recon.	See Attached List	N/A	N/A
	55 gallon Poly Open Top	ea	N/A	$30.00	Recon.	See Attached List	N/A	N/A
	55 gallon Poly Bung Top	ea	N/A	$30.00	Recon.	See Attached List	N/A	N/A
	55 gallon Fiber Drums	ea	N/A	$30.00	Recon.	See Attached List	N/A	N/A
	30 gallon Steel Open Top	ea	N/A	$55.00	New	See Attached List	N/A	N/A
	30 gallon Steel Bung Top	ea	N/A	$55.00	New	See Attached List	N/A	N/A
	30 gallon Poly Open Top	ea	N/A	$30.00	Recon.	See Attached List	N/A	N/A
	30 gallon Poly Bung Top	ea	N/A	$30.00	Recon.	See Attached List	N/A	N/A
	30 gallon Fiber Drums	ea	N/A	$20.00	New	See Attached List	N/A	N/A
	20 gallon Poly Open Top	ea	N/A	$30.00	New	See Attached List	N/A	N/A
	20 gallon Poly Bung top	ea	N/A	$30.00	New	See Attached List	N/A	N/A
	20 gallon Fiber Drums	ea	N/A	$18.00	New	See Attached List	N/A	N/A
	20 gallon Steel Bung Top	ea	N/A	$40.00	New	See Attached List	N/A	N/A

Ensco Schedule of Charges

BLOCK	Item Description(s)	UOM	Disposal Method	Total Unit Price for Transportation & Disposal	Unit Price for (Full Service)	Transporter	TSDF 1	Final TSDF 2
	14 gallon Poly Open Top	ea	N/A	$30.00	New	See Attached List	N/A	N/A
	10 gallon Fiber Drums	ea	N/A	$15.00	New	See Attached List	N/A	N/A
	10 gallon Steel	ea	N/A	$40.00	New	See Attached List	N/A	N/A
	5 gallon Steel Open Top	ea	N/A	$15.00	New	See Attached List	N/A	N/A
	5 gallon Fiber Drums	ea	N/A	$10.00	New	See Attached List	N/A	N/A
	5 gallon Poly	ea	N/A	$10.00	New	See Attached List	N/A	N/A
	Vermiculite (3 Cubic Foot Bag)	ea	N/A	$10.00	N/A	See Attached List	N/A	N/A
	Superfine	ea	N/A	$10.00	N/A	See Attached List	N/A	N/A
	Floor Dry (25 lb Bag)	ea	N/A	$5.00	N/A	See Attached List	N/A	N/A
	Wooden Box (DOT 15A)	ea	N/A	$35.00	N/A	See Attached List	N/A	N/A
	5 gallon 2U carboys	ea	N/A	$15.00	N/A	See Attached List	N/A	N/A
	Drum Liners - 55 gallon	ea	N/A	$2.00	N/A	See Attached List	N/A	N/A
	Drum Liners - 30 gallon	ea	N/A	$1.50	N/A	See Attached List	N/A	N/A
	Containers for Fluor. Tubes	ea	N/A	$35.00	N/A	See Attached List	N/A	N/A
	Containers for other Lightbulbs	ea	N/A	$30.00	N/A	See Attached List	N/A	N/A
	Total Block 15 per each							
16	LABOR RATES							
	Time and a half for Holidays and Over-time							
	Hourly Rates by Worker Class							
	Technician	hr	N/A	N/A	$40.00	See Attached List	N/A	N/A
	Driver	hr	N/A	N/A	$50.00	See Attached List	N/A	N/A
	Shipping Clerk	hr	N/A	N/A	$40.00	See Attached List	N/A	N/A
	Senior Technician	hr	N/A	N/A	$45.00	See Attached List	N/A	N/A
	Chemist	hr	N/A	N/A	$50.00	See Attached List	N/A	N/A
	Supervisor	hr	N/A	N/A	$55.00	See Attached List	N/A	N/A
	HazCat/Unknown	ea	N/A	N/A	$35.00	See Attached List	N/A	N/A
	Total Block 16 per hour							

Ensco Sche[illegible] of Charges

BLOCK	Item Description(s)	UOM	Disposal Method	Total Unit Price for Transportation & Disposal	Unit Price for (Full Service)	Transporter	TSDF 1	Final TSDF 2
17	EMERGENCY RESPONSE SERVICES							
	7 day per week 24 hours per day on-call							
	Equipment and supplies case by case							
	Labor rates:							
	Technician	hr	N/A	N/A	$125.00	See Attached List	N/A	N/A
	Driver	hr	N/A	N/A	$125.00	See Attached List	N/A	N/A
	Shipping Clerk	hr	N/A	N/A	$125.00	See Attached List	N/A	N/A
	Senior Technician	hr	N/A	N/A	$125.00	See Attached List	N/A	N/A
	Chemist	hr	N/A	N/A	$140.00	See Attached List	N/A	N/A
	Supervisor	hr	N/A	N/A	$150.00	See Attached List	N/A	N/A
	HazCat/Unknown	hr	N/A	N/A				
	Total Block 17							

Support documents in response to Information Request Questions:

24. Identify all individuals who currently have, and those who have had, responsibility for respondent's environmental matters (including responsibility for the disposal, treatment, storage, or sale of Respondent's wastes and SHCs). Provide the job title, duties, dates performing those duties, supervisors for those duties, current position or the date of the individual's resignation, and the nature of the information possessed by such individuals concerning Respondent's waste management.
    Response: Office of Environmental Health and Safety has the responsibility for all of UCSF's environmental matters including disposal. Job title of that person is Program Manager, Hazardous Material Management Program. Job description of the person is attached. Job description summarizes the responsibilities of the Program Manager on environmental matters including hazardous chemical waste disposal. The description also provides the direct reports to manage the program. Job descriptions of the direct reports are also attached for completeness.

#24

University of California, San Francisco
MSP AND PSS JOB DECRIPTION FORM
(Formerly MAP and A&PS)

APPROVED TITLE	EFFECTIVE DATE (mm/dd/yyy) October 1, 2006	TITLE CODE 0725	GRADE MSP 2	ER CODE
NAME		DEPARTMENT Office of Environmental Health & Safety	PRESENT PAYROLL TITLE Principal EH&S Specialist	% OF TIME 100%
SUPERVISOR'S NAME & PAYROLL TITLE Robert Eaton, Director			DEPARTMENT HEAD'S NAME & TITLE Robert Eaton, Director, OEH&S	

INSTRUCTIONS

Complete this job description as accurately as possible. The completed questionnaire will be reviewed by your supervisor and again by Human Resources. An organization chart MUST accompany this job description form.

SECTION I

1) Summarize the purpose of this position in a brief statement.

The Manager of Hazardous Materials Management (HMM) directs and oversees the following broad programs: Radioactive Materials Receipt and Distribution; Radioactive Waste Collection, Processing and Disposal; Radiation Services (survey instrument calibration, bioassays, wipe tests, analytical laboratory operations, nuclear medicine and radiation oncology patient support services); Chemical Waste Collection, Processing and Disposal; Medical Waste Collection Processing and Disposal; Asbestos, Lead, PCB Abatement and Oversight; Due Diligence and Environmental Assessment; and Hazardous Materials and Environmental Permitting (Underground Storage Tanks, Above Ground Storage Tanks, Industrial Waste Water Discharge, Medical Waste Generators, Hazardous Waste Shipping, Emergency Diesels, Boilers and Turbines, Paint Spray Booths, Hospital Ethylene Oxide Sterilizers, Risk Management Plans and others as assigned).

The Manager implements HMM Programs at all UCSF sites; specifically, Parnassus, SFGH, Mount Zion, Laurel Heights and Mission Bay campuses and other satellites including, but not limited to, Gallo Laboratories in Emeryville, Mission Center Building, Facilities Management, Hunter's Point, other UCSF or affiliates sites. The Manager is specifically responsible for the hiring, supervision, and training of assigned 16 FTE's and is responsible for the development and maintenance of HMM written Standard Operating Procedures as well as ensuring that procedures are strictly followed.

The Manager is responsible for the development and implementation of contracts to dispose of radioactive, chemical, and medical wastes; maintenance of required legal documents such as waste manifests and other required files that are associated with the disposal of hazardous wastes; filing and maintenance of all required permit applications, renewals, and regular reports with appropriate federal, state, and local agencies; and ensuring adherence by campus personnel to permit requirements.

The Manager is responsible for the development and maintenance of UCSF documents such as the UCSF Medical Waste Management Plan, the UCSF Hazardous Waste Minimization Plan, and the UCSF Spill Prevention Program, laboratory procedures to be followed by UCSF employees for the receipt and disposal of radioactive materials, and disposal of chemical and medical waste. The Manager must ensure that not only HMM staff members are trained and familiar with applicable procedures but also assist in the training of faculty, laboratory and clinical staff.

2) Briefly describe the most important duties you perform in the normal course of your work. Describe them, in order of their importance, and indicate the average percent of time devoted to each duty over the course of the year.

% of Total Work Effort	Description of Duties
10%	Management of Radiation Receiving and Radiation Services: Oversee the development, regular review, revision and implementation of standard operating procedures; ensure compliance with SOP's and UCSF's State of California radioactive materials license. Ensure that employees are properly trained and follow established procedures; ensure that all required records are properly maintained and available for inspection.
10%	Management of Radioactive Waste Operations: Review and authorize procedures for collection, storage, packaging and disposal of radioactive wastes, including atypical waste streams. Oversee waste facilities and ensure that they are maintained in compliance with UCSF SOP's and pertinent regulations. Oversee radioactive waste contract development and implementation. Respond to and ensure resolution of problems, issues, and questions regarding the proper disposal of radioactive waste. Ensure that employees are properly trained to follow established procedures; ensure that all required records are properly maintained and available for inspection.
25%	Management of Chemical Waste Operations: Review and authorize procedures for collection, consolidation, packaging, and disposal of chemical wastes. Ensure that employees strictly adhere to established procedures and conduct all operations safely. Oversee chemical waste contract development and implementation. Respond to and ensure resolution of problems, issues, and questions regarding the proper disposal of chemical waste. Ensure that all required records are properly maintained and available for inspection.
10%	Management of Medical Waste Operations: Review and authorize procedures for collection and disposal of medical wastes. Oversee medical waste contract development and implementation. Respond to and ensure resolution of problems, issues, and questions regarding the proper disposal of medical waste. Ensure that employees are properly trained to follow established procedures; ensure that all required records are properly maintained and available for inspection.
25%	Permitting Operations: Prepare all UCSF environmental and hazardous materials permit applications, renewal applications, and required reports to ensure that all UCSF activities involving hazardous materials are carried out in compliance with applicable local, state, and federal regulations. Obtain and maintain permit files for agency inspections. Advise UCSF personnel about compliance with pertinent permit requirements.
10%	Technical consultation and training: Provide technical consultation to UCSF campus and clinical personnel as well as OEH&S staff as requested on matters relating HMM programs and regulations. Provide training to UCSF personnel as requested.
5%	Administrative: Responsible for management of all Hazardous Materials contracts including bid process, negotiations, service level requirements, regulatory requirements and post award management._Responsible for development of monthly, quarterly and annual HMM operational reports, including annual preparation and review of costs associated with departmental recharges. Assist the Director in OEH&S administrative affairs, as requested.

5%	Committee Service: Serve on OEH&S committees (such as the Safety Committee, Awards Committee), UCSF committees (such as the Chemical Safety Committee, EH&S User's Committee), and UC systemwide committees (Hazardous Waste Action Group, Environmental Managers Group), as assigned and as requested.

3) State the important objectives or end results that your position is required to achieve. Some overlapping with the statement of duties is permissible, but the emphasis in this question is on specific end results, as opposed to the general description of the job.

The primary objectives for this position are assuring that UCSF remains in compliance with all Federal, State, and local laws and regulations governing the receipt of radioactive materials and the collection and disposal of hazardous waste (chemical, radioactive, and medical/biological) generated by the campus and Medical Center, that all environmental and hazardous materials permits are acquired and renewed in a timely manner, and that all hazardous materials records are properly maintained and that all reports are filed accurately and on time.

SECTION II

Positions are allocated to the A&PS and MAP Personnel based on the following allocation factors: Complexity, Applied Knowledge, Freedom to Act, Resource Management, Scope and Impacting Others. The questions that follow are designed as accurately as possible to assess these factors.

1) Please give a(n) example(s) of the issue(s) or problem(s) you typically are required to resolve. This/These example(s) should illustrate the complexity of the problems solved and the difficulty and originality involved in performing the work. For example, how well are issues defined and what facts are available to you.

There are a large number of projects and activities that take place on an ongoing basis, which requires superior organization, planning, and time management skills. Shifting priorities throughout the day require on-the-spot evaluation and staff availability to meet emergent needs. This position is also expected to provide regular reports (verbally and in writing) to the Director concerning waste removal contracts, regulatory issues, general management information needs, and data for calculation of recharge rates.

2) Provide examples of how professional or technical knowledge is required to perform your job satisfactorily.

The incumbent must have an advanced understanding of safety concepts including knowledge of radiation, biological, chemical, fire and life safety, and general physical safety issues, rules, regulations and procedures. The incumbent is expected to have professional and technical knowledge and expertise in all areas of hazardous material management, including permitting, acquisition, handling, disposal, and compliance. Requires the ability to clarify UCSF operations with governmental agencies.

3) Describe the required knowledge of institutional policies, procedures, rules and practices needed to carry out the responsibilities of your position. Please provide examples.

The incumbent is responsible for interpreting local, state and federal regulations and guidelines and writing campus Standard Operating Procedures to comply with the regulations, guidelines, and institutional policy. The incumbent serves as the campus expert in hazardous material management, and on other environmental health and safety issues as requested by the Director.

4) Please describe the type of guidance (instructions, policies, procedures, practices, precedences, etc.) you typically use to arrive at decisions.

This is a high-level management position for an individual who has a thorough understanding of hazardous materials programs and acts as a subject matter expert for the campus and provides on the job training for HMM specialists and technicians.

Guidance is based on departmental SOP's, state and federal regulations, and general direction from the Director and the Associate Vice Chancellor, Office of Research. Nevertheless, decision-making is typically the result of independent fact-finding based on years of experience.

5) How and by whom are goals and objectives set for your position?

Goals and objectives are set in discussion with the Director, OEH&S, and adjusted as needed. The Manager is expected to independently set most of the operational goals with minimal direction and make adjustments on a daily basis.

6) How are most significant decisions or projects reviewed, for what purpose and by whom?

Significant decisions regarding waste vendors and policies and procedures are made by the HMM Manager in consultation with the Director, OEH&S as appropriate. Mistakes in this area have significant consequences for individuals, units, and the campus as regards potentially damaging exposure to radioactive and other hazardous materials. The university and the department are reviewed periodically by campus internal audit and by local, state, and federal inspectors to ensure compliance with applicable rules, regulations, permits and licenses.

7) Please give examples of the type of authority vested in your position to commit the organization to a course of action or policy.

The Manager reviews and authorizes the procedures for collection, consolidation, packaging, and disposal of chemical, radioactive and medical wastes, and prepares all UCSF environmental and hazardous materials permit applications and renewals. The Manager has the authority to close down a laboratory, a building, or a UCSF site when the operations are seriously out of compliance.

8) Describe the supervisory responsibility vested in your position. Include the number and titles of the positions reporting directly to you, as well as the number and titles of positions reporting indirectly to you.

The Manager, HMM, has full responsibility for conducting annual performance evaluations, establishing work schedules, selection of new employees, annual merits and incentive awards, and provides constructive feedback on a daily basis to staff.

Direct Reports:

EH&S Specialist II	2

Indirect Reports:

Principal EH&S Technician	3
Senior EH& Technician	5
EH&S Technician	6

9) To what degree are you directly responsible for the management of funds? Indicate the variety of funding sources under your control:

The incumbent is responsible for negotiating campus contracts (in concert with the Purchasing Department) for all hazardous waste pick-up and disposal, and for the operation of the Hazardous Materials Management Program at UCSF.

	# of Budgets	Current Year Amount
Appropriated Funds	2	$750,000
Private Contracts		
Private Grants		
Government Contracts		
Government Grants		
Recharge Operations	5	$400,000
Generated Income Funds (e.g.: professional fees, patient charges, etc.)		
Endowments		
Zero Budget Operations		
Other Sources		

10) Do you have responsibilities for equipment, facilities, space and/or materials in your position? If you have, please describe.

The incumbent has responsibility for the radioactive materials delivery and waste facilities and chemical waste facilities in addition to all HMM related equipment (e.g., waste pick-up trucks, calibration equipment, waste compacting equipment and materials, and waste storage fork lift, etc.).

11) Please list examples of planning and policy-making activities for which you are directly responsible.

The incumbent is responsible for setting consistent policies and procedures for UCSF as regards safety and hazardous materials issues, consults and advises PI's, laboratory personnel, and Medical Center staff in the effective control of radioactive, chemical and other hazardous materials used for research and patient care based on the requirements of local, state and federal regulations.

12) What are the likely consequences of an error resulting from actions or decisions that impact staff, financial resources, equipment, good will or facilities? Consider only those errors that have a high probability of occurring.

Improper procedures as regards EH&S related issues can cause radioactive contamination of individuals and facilities, chemical contamination and poisoning of individuals and space, and biological insults to individuals may be possible. In addition, improper procedures can result in fines by regulatory agencies leading to the loss of the university's license(s) for handling radioactive, chemical and biological materials. Failure to properly acquire or renew permits can also result in fines leading to suspension or revocation of UCSF's HMM licenses.

13) What are the key controls in your position that give you an indication or a warning signal when things are going wrong?

Review of waste collection and inspection records generated from internal audit and regulatory inspection. Failure to obtain permits in a timely manner can cause delay in research. In addition, complaints from key campus investigators to the Associate Vice Chancellor, Office of Research, the OEH&S Director, and/or the HMM Manager will indicate when things go wrong.

14) What contacts outside your department are required either personally, by correspondence, or by telephone?

Organization Contacted	***Purpose***	***How Often?***
Multiple research laboratories	Hazardous materials issues resolution	Daily
Vendors	Negotiate contracts for waste pick up, ordering or delivery Regular meetings to verify proper implementation of contract requirements.	Annually, as needed Monthly
Federal, State and local government agencies	Acquiring or renewing permits Responding to agency inspections	As needed
Medical Center	Hazardous materials issues resolution	Daily
Campus Emergency Operations Center	Management of campus emergencies involving hazardous materials	As needed
Office of the President, all UC campuses and National Labs	Support auditing of hazardous waste vendor facilities and sites.	As needed

CERTIFICATE OF EMPLOYEE: I certify that the aforementioned information is correct and complete, and describes my job as I understand it.

_____ _____

Employee Signature Date

TO BE COMPLETED BY THE SUPERVISOR OF THE POSITION

1) Briefly state the reason for this position in your organization?

The Manager of Hazardous Materials Management (HMM) directs and oversees the following programs: Radioactive Materials Receipt and Distribution; Radioactive Waste Collection, Processing and Disposal; Radiation Services (survey instrument calibration, bioassays, wipe tests, analytical laboratory operations, nuclear medicine and radiation oncology patient support services); Chemical Waste Collection, Processing and Disposal; Medical Waste Collection Processing and Disposal; Asbestos, Lead, PCB Abatement and Oversight; Due Diligence and Environmental Assessment; and Hazardous Materials and Environmental Permitting (Underground Storage Tanks, Above Ground Storage Tanks, Industrial Waste Water Discharge, Medical Waste Generators, Hazardous Waste Shipping, Emergency Diesels, Boilers and Turbines, Paint Spray Booths, Hospital Ethylene Oxide Sterilizers, Risk Management Plans and others as assigned).

2) Please describe how the work of this position is reviewed.

Work is reviewed through evaluation of how well staff are supervised, how well conflict is managed and staff are motivated, by the amount and quality of appropriate regulatory tracking information, feedback from laboratory personnel, routine discussion of problem solving, timeliness and efficiency of daily operations, and by the results of inspections by governmental agencies.

3) What special training and/or experience would be required of an applicant for this position?

Must have a bachelor's degree in one of the following: chemistry, radiation physics, biology, engineering, or a related science, plus six years of experience in a hazardous materials related field. Must have three to five years prior management experience and demonstrated experience in permitting activities and in large vendor contracts for hazardous materials disposal. Working knowledge of Federal hazardous materials regulations is required; additionally, working knowledge of State of California hazardous materials regulations is preferred. Knowledge of basic computer use, including standard office software, ability to learn in-house developed applications; ability to train others effectively on EH&S safety issues; excellent verbal and written communications skills; excellent interpersonal skills.

4) ADDITIONAL COMMENTS: If there are other pertinent facts which you feel are not covered by this questionnaire, please list them and cite specific examples.

CERTIFICATE OF SUPERVISOR OR DEPARTMENT HEAD: I have reviewed this description and certify as to its accuracy, with any exceptions noted.

_____ _____

Signature of Supervisor Date

_____ _____

Signature of Department Head Date

University of California, San Francisco
MSP AND PSS JOB DESCRIPTION FORM
(Formerly MAP and A&PS)

APPROVED TITLE	EFFECTIVE DATE (mm/dd/yyyy)	TITLE CODE	GRADE	ER CODE
Technician Operations Supervisor	01/01/2008	7135		
NAME		DEPARTMENT	PRESENT PAYROLL TITLE	% OF TIME
		OEH&S	Specialist II - Supervisor	100%
SUPERVISOR'S NAME & PAYROLL TITLE			DEPARTMENT HEAD'S NAME & TITLE	
Lamberto Luistro, Program Manager, HMM			Robert Eaton, Director	

INSTRUCTIONS

Complete this job description as accurately as possible. The completed questionnaire will be reviewed by your supervisor and again by Human Resources. An organization chart MUST accompany this job description form.

SECTION I

1) Summarize the purpose of this position in a brief statement.

The Office of Environmental Heath and Safety (OEH&S) is responsible for all campus and UCSF environmental health and safety issues including biological, chemical, fire, radiation, and physical safety. It is responsible for maintaining compliance with regulatory requirements and internal interpretation of policies and procedures. Under direction of the Hazardous Materials Management (HMM) Program Manager, the Technician Operations Supervisor oversees the overall daily activities of the HMM program, interacts with the Campus Department Safety Advisors and Clinical Program Specialists, consults with Environmental Compliance Management supervisor, provides support to the biological, chemical, and radiation safety programs, and the UCSF medical centers regarding hazardous materials.

The position has a dual purpose: (a) Providing services related to the receipt, distribution, collection, disposal and control of radioactive materials and waste, collection and disposal of chemical and biological waste, receipt and disposal of controlled substances, inspection and monitoring of fume hoods, deluge shower and emergency eyewash; and (b) Supervision and training of personnel involved with programs mentioned above.

2) Briefly describe the most important duties you perform in the normal course of your work. Describe them, in order of their importance, and indicate the average percent of time devoted to each duty over the course of the year.

% of Total Work Effort	Description of Duties
35%	Technician operations supervision Supervise EH&S technicians, manage workflow, assist with compliance to University safety regulations, CAL-OSHA requirements, Department of Transportation requirements, DMV pull notices, and conduct performance reviews.

20%	Hazardous materials and waste operations Oversee collection and vendor removal of biological, chemical, controlled substances, radioactive waste and mixed waste. Collect waste from laboratories, process waste, schedules vendor pick-up and oversee vendor packaging. Check and review waste manifests for vendor disposal. Respond and communicate problems to HMM Program Manager. Responsible for issues and questions regarding the proper handling and disposal of waste streams mentioned above. Monitor and maintain pick-up requests and vendor disposal records.
15%	Radioactive material and controlled substances operations Oversee receipt and distribution of radioactive materials and controlled substances to and from UCSF. Calibrate radiation survey instruments, conducts routine and non-routine contamination surveys and bioassays for campus personnel.
10%	Fume hood, deluge shower and emergency eyewash operations oversight Oversee inspection of fume hoods, deluge shower and emergency eyewash to ensure compliance.
10%	Quality control of operations Perform quality control of all programs assigned. Assist in the review and update of section's SOPs. Prepare biennial waste reports for submission to regulatory agency, hazardous waste taxes and fees quarterly and annually for state Board of Equalization.
5%	Technical consultation and training Provide technical consultation on matters relating to HMM programs to laboratories, EH&S staff, CPFM and Design and Construction project managers, etc. Provide or assist in performing continuing education to technicians via tail gate safety meetings and focused safety trainings.
5%	Other duties as assigned.

3) State the important objectives or end results that your position is required to achieve. Some overlapping with the statement of duties is permissible, but the emphasis in this question is on specific end results, as opposed to the general description of the job.

The position requires thorough knowledge of institutional policies, regulatory agency laws and regulations and activities. The incumbent must have the ability to recognize if research and medical center units meet this broad range of regulations and if not evaluate the units for compliance and recommend appropriate actions.

Also, regulatory agencies provide stringent guidelines on handling hazardous materials and wastes and the incumbent is expected to decipher such guidelines for implementation. The incumbent must also be able to provide efficient and orderly manner of receiving and distribution of hazardous materials and disposition of waste. Records of such disposition must be readily available for management and regulatory agency inspectors.

SECTION II

Positions are allocated to the PSS and MSP Personnel based on the following allocation factors: Complexity, Applied Knowledge, Freedom to Act, Resource Management, Scope and Impacting Others. The questions that follow are designed as accurately as possible to assess these factors.

1) Please give a (n) example(s) of the issue(s) or problem(s) you typically are required to resolve. This/These example(s) should illustrate the complexity of the problems solved and the difficulty and originality involved in performing the work. For example, how well are issues defined and what facts are available to you.

There are a large number of activities that take place on an on-going basis. These activities require superior organization, planning, supervision, and time management skills. Shifting priorities throughout the day require on the spot evaluation of potential hazards and staff availability to meet campus and medical center needs.

Facts are obtained from daily monitoring of data, waste pick-up and inspection schedules and availability of manpower. The incumbent must be able to analyze data collected in support of management needs, regulatory reports and generation of waste contracts.

2) Provide examples of how professional or technical knowledge is required to perform your job satisfactorily.

The position requires a complete and thorough understanding of hazardous materials and wastes, environmental laws and regulations, fair labor standards and practices, health and safety auditing, instrumentation and equipment maintenance. The incumbent is expected to have technical knowledge of chemistry, physics and or/biology and professional level experience in hazardous chemical, biological, and radioactive wastes management and controlled substances disposal.

3) Describe the required knowledge of institutional policies, procedures, rules and practices needed to carry out the responsibilities of your position. Please provide examples.

The incumbent is expected to be knowledgeable about Campus, Clinical and Hazardous Materials Management programs Standard Operating Procedures (SOPs). The SOPs incorporate all relevant local, state and federal laws and regulations and institutional prudent practices and procedures. In addition, the incumbent is expected to have or must acquire knowledge of regulatory issues on waste management, local, state and federal levels permitting issues, environmental penalties and fines.

4) Please describe the type of guidance (instructions, policies, procedures, practices, precedences, etc.) you typically use to arrive at decisions.

Decisions are based on policies and procedures particularly in routine operations. Other situations require a broader application of personal judgment. In these cases, interpretation of policies, practices and precedence are warranted. The incumbent is expected to interpret and apply all institutional policies and procedures in accordance with recognize professional standards under the general direction of the HMM program manager.

5) How and by whom are goals and objectives set for your position?

Goals and objectives are set annually in discussion with HMM program manager and adjusted as needed. The incumbent is expected to set most of the operational goals with minimal direction.

6) How are most significant decisions or projects reviewed, for what purpose and by whom?

Significant decisions about waste vendors (biological, chemical, controlled substances and radioactive) and policies and procedures affecting university properties and individuals are decided by HMM program manager. Errors in these areas may have significant consequences for the university as regards potentially damaging exposure to hazardous materials. University internal audit, local, state and federal inspectors reviewed documents periodically for compliance.

7) Please give examples of the type of authority vested in your position to commit the organization to a course of action or policy.

The incumbent can assert campus and medical center authority on EH&S related issues with regulatory agency to bring affected entities into compliance. Based on specific expertise, the incumbent acts as EH&S expert on specific hazardous materials use and disposal issues and take the lead in developing and reviewing EH&S SOPs.

8) Describe the supervisory responsibility vested in your position. Include the number and titles of the positions reporting directly to you, as well as the number and titles of positions reporting indirectly to you.

The incumbent has full responsibility for conducting annual performance reviews and establishing work schedules, makes recommendations regarding selection for new employees, annual merits and incentive awards and provides constructive feedback on a daily basis to staff.

Title	FTE
HMM Specialist I – MB and Satellite Supervisor	1
Principal EH&S Technician – Parnassus	3
Senior EH&S Technician – Parnassus	3
EH&S Technician – Parnassus	5
Total FTEs	12

9) To what degree are you directly responsible for the management of funds? Indicate the variety of funding sources under your control:

The incumbent does not have direct responsibility for management of funds, but does monitor and collect data associated with operational expenses.

	# of Budgets	Current Year Amount
Appropriated Funds		
Private Contracts		
Private Grants		
Government Contracts		
Government Grants		
Recharge Operations		
Generated Income Funds (e.g.: professional fees, patient charges, etc.)		
Endowments		
Zero Budget Operations		

Other Sources		

10) Do you have responsibilities for equipment, facilities, space and/or materials in your position? If you have, please describe.

The incumbent has day-to-day management responsibility for receipt distribution and delivery of controlled substances and radioactive materials and has control and management of waste storage facilities. In addition incumbent has responsibility of HMM related equipment such as waste trucks & pick-up truck, waste collection carts, calibration equipment, detection instruments such as Geiger counter, anemometers, weighing scales, UV lights, etc.

11) Please list examples of planning and policy-making activities for which you are directly responsible.

The incumbent assists HMM program manager and participates with other EH&S senior leadership in setting policies and procedures as regards use of hazardous materials and environment, health and safety. Incumbent also consults and advises principal investigators, medical center and research personnel in the effective control and use of hazardous materials in conformance with local, state and federal regulations.

12) What are the likely consequences of an error resulting from actions or decisions that impact staff, financial resources, equipment, good will or facilities? Consider only those errors that have a high probability of occurring.

Improper laboratory procedures as regards EH&S related issues can cause biological, chemical and radioactive contamination of individuals and university properties and equipment. Release of these materials into workplace and community can cause regulatory fines, loss of university license, erosion of public trust and goodwill and employment of remediation companies to perform costly clean-up.

13) What are the key controls in your position that give you an indication or a warning signal when things are going wrong?

Accidental spills and contamination often indicate failures in approved procedures. In addition, notices of violation and inquiries from regulatory agencies and complaints from various campus investigators and medical center personnel to HMM program manager, Director of EH&S. Associate Vice-Chancellor of Research indicate when things are going wrong.

14) What contacts outside your department are required either personally, by correspondence, or by telephone?

Organization Contacted	***Purpose***	***How Often?***
Federal, state and local agencies	Permits, uniform hazardous waste manifest issues inquires	Daily/weekly/quarterly/semi-annually/annually
Multiple clinical and campus units	Waste issues and inquires, hazardous materials handling, fume hood/eyewash/shower checks/inspection, etc.	Daily/weekly/quarterly/semi-annually/annually
Vendors	Contract negotiations, pick-up schedules, ordering and	Annually/weekly

	delivering supplies., etc.	

CERTIFICATE OF EMPLOYEE: I certify that the aforementioned information is correct and complete, and describes my job, as I understand it.

Employee Signature

Date

TO BE COMPLETED BY THE SUPERVISOR OF THE POSITION

1) Briefly state the reason for this position in your organization?

The incumbent supervises work of one HMM Specialist and eleven EH&S technicians who receive, handle, deliver, pick-up, prepare and process for disposal all hazardous chemical, biological, radioactive and controlled substances.

2) Please describe how the work of this position is reviewed.

Performance evaluation is conducted on incumbent annually on how well staffs are supervised, how well conflict is resolved, and staffs are motivated by the amount and quality of appropriate regulatory tracking information, feedback from research and medical center personnel, routine discussion of problems, tailgate meetings, timeliness and efficiency of daily operations, etc.

3) What special training and/or experience would be required of an applicant for this position?

Bachelor's Degree in one of the following: chemistry, radiation/physics, biology, mathematics, or a related science; eight years in a safety related field or a combination of education and experience. Knowledge of basic computer use, including standard office software, ability to learn in-house developed applications; excellent verbal and written communications skills including excellent interpersonal skills. 2 years supervisory or 4 years lead assignment experience preferred. 40-hr and/or 24-hr Hazardous Waste Operations and Emergency Response Training. Ability to work effectively with labs, waste vendors, contractors, FM and Medical Center project managers. Position is subject to Department of Transportation guidelines. Possession of a CA Driver's License, good driving record. Ability to lift 50 lbs. on a regular basis.

4) ADDITIONAL COMMENTS: If there are other pertinent facts which you feel are not covered by this questionnaire, please list them and cite specific examples.

The incumbent should have superior skills and abilities to tactfully and diplomatically handle sensitive issues with senior leadership, academic staff members, and medical center personnel

CERTIFICATE OF SUPERVISOR OR DEPARTMENT HEAD: I have reviewed this description and certify as to its accuracy, with any exceptions noted.

_____ _____

Signature of Supervisor Date

_____ _____

Signature of Department Head Date

University of California, San Francisco
MSP AND PSS JOB DESCRIPTION FORM
(Formerly MAP and A&PS)

APPROVED TITLE	EFFECTIVE DATE (mm/dd/yyyy)	TITLE CODE	GRADE	ER CODE
Specialist, EHS I	**08/01/2008**	**7133**	Privacy Act [redacted]	
NAME		DEPARTMENT	PRESENT PAYROLL TITLE	% OF TIME
Marcial Aguinaldo		**Environmental Health & Safety**	**7133**	**100%**
SUPERVISOR'S NAME & PAYROLL TITLE			DEPARTMENT HEAD'S NAME & TITLE	
Lamberto Luistro, Program Manager, HMM			**Robert Eaton, CIH, Director EH&S**	

INSTRUCTIONS

Complete this job description as accurately as possible. The completed questionnaire will be reviewed by your supervisor and again by Human Resources. An organizational chart MUST accompany this job description form.

SECTION I

1) **Summarize the purpose of this position in a brief statement.**

The Office of Environmental Heath and Safety (OEH&S) is responsible for all campus and UCSF environmental health and safety issues including radiation, fire, biological, chemical and physical safety. OEHS is also responsible for maintaining compliance with regulatory requirements and internal interpretation of policies and procedures. Under direction of the Hazardous Materials Management (HMM)Technical Operations Supervisor (Specialist II), incumbent oversees daily activities within the HMM program, interacts with the Campus Department Safety Advisors, consults with the Parnassus Group and Environmental Compliance Management supervisors, and provides support to the radiation, biological and chemical safety programs, and the UCSF medical centers regarding hazardous materials.

The position has a dual purpose: (a) Providing services related to the receipt, distribution, collection, disposal and control of radioactive materials and waste, collection and disposal of chemical and biological waste, receipt and disposal of controlled substances, and inspection and monitoring of fume hoods, deluge shower and emergency eyewash at Mission Bay (MB) and several satellite locations such as MTZ, Laurel Heights, SFGH, MCB, Gallo - Emeryville, Gladstone Institutes, China Basin Landing and others; and (b) Supervision and training of personnel involved with programs mentioned above.

2) **Briefly describe the most important duties performed in the normal course of work. Describe them in order of importance, and indicate the average percent of time devoted to each duty over the course of the year.**

% of Total Work Effort	Description of Duties
35 %	Technician operations supervision Supervise EH&S technicians, manage workflow, assist with compliance to University safety regulations, CAL-OSHA requirements, Department of Transportation requirements, DMV pull notices, and conduct performance reviews.

20%	Hazardous materials and waste operations Oversee collection and vendor removal of biological, chemical, controlled substances, radioactive waste and mixed waste. Collect waste from laboratories, process waste, schedule vendor pick-up and oversee vendor packaging. Check and review waste manifests for vendor disposal. Respond and communicate problems to Technician Operations Supervisor. Responsible for issues and questions regarding proper handling and disposal of waste streams mentioned above. Monitor and maintain pick-up requests and vendor disposal records.
15%	Radioactive material and controlled substances operations Oversee receipt and distribution of radioactive materials and controlled substances to and from UCSF. Calibrate radiation survey instruments, conducts routine and non-routine contamination surveys and bioassays for campus personnel.
10%	Fume hood, deluge shower and emergency eyewash operations oversight Oversee inspection of fume hoods, deluge shower and emergency eyewash to ensure compliance.
10%	Quality control of operations Perform quality control of all programs assigned. Assist in the review and update of section's SOPs. Prepare biennial waste reports for submission to regulatory agency, hazardous waste taxes and fees quarterly and annually for state Board of Equalization.
5%	Technical consultation and training Provide technical consultation on matters relating to HMM programs to laboratories, EH&S staff, CPFM and Design and Construction project managers, etc. Provide or assist in performing continuing education to technicians via tail gate safety meetings and focused safety trainings.
5%	Other duties as assigned.

3) **If this position entails responsibility for budgets or accounting records, please identify the number/type of accounts and current year authorization.**

   Not Applicable.

4) **If this position entails payroll or personnel record responsibilities, please identify the number and type (Academic, staff, other) of Univ. employees, whether full or part-time.**

   Not Applicable.

5) **What are the most difficult aspects of this position and why? What other factors should be considered in evaluating this position?**

Improper use, handling, storage and disposal of hazardous materials can result in fines by regulatory agencies leading to the loss of the university's license(s) and/or permit(s) for radioactive, chemical, biological materials and controlled substances. In addition, improper laboratory procedures can result in contamination, employee exposure and injury, loss of trust from regulatory agency and neighboring community.

The incumbent sets most of the unit's daily operational activities with minimal direction and must make adjustments to changing work environments as needed. The incumbent must possess a thorough understanding of all aspects of the Hazardous Materials Program and must act as a Subject Matter Expert for the group.

6) **If this position is supervisory, identify the total no. of FTE under your supervision.** 6
Do you: Select new employees? Yes
Approve overtime? Yes
Take disciplinary action as appropriate? Yes
Sign Performance Evaluations? Yes
Recommend Merit Increases? No
List all employees who report to you by name, payroll title and FTE.

See (tentative) list below:

Name	Title	FTE
Natalie Mendezona	Interim Senior EH&S Technician – Mt. Zion, Laurel Heights	Yes
Marvin Moore	Interim Senior EH&S Technician – Gallo Research	Yes
Macario Sarmiento	Senior EH&S Tech – MB & satellites	Yes
Alfredo Caballero	EH&S Technician – MB & satellites	Yes
Simon Lui	EH&S Technician – MB & satellites	Yes
Kristine Bernardez (temp)	EH&S Technician – MB & satellites	Yes

TO BE COMPLETED BY THE SUPERVISOR OF THE POSITION

1) Briefly state the reason for this position in your organization.

The incumbent supervises the work of EH&S technicians who receive, collect, store, handle, deliver, pick-up and prepare for disposal biological, chemical, radioactive, controlled substances and other hazardous waste streams used and generated at UCSF.

2) What special training/experience would be required of an applicant for this position?

- Bachelor's Degree in one of the following: chemistry, radiation/physics, biology, mathematics, or a related science; eight years in a safety related field or a combination of education and experience.
- Knowledge of basic computer use, including standard office software, ability to learn in-house developed applications;
- Excellent verbal and written communications skills including excellent interpersonal skills.
- 2 years supervisory or 4 years lead assignment experience preferred.

- 40-hr and/or 24-hr Hazardous Waste Operations and Emergency Response Training.
- Ability to work effectively with labs, waste vendors, contractors, FM and Medical Center project managers.
- Position is subject to Department of Transportation guidelines.
- Possession of a CA Driver's License, good driving record.
- Ability to lift 50 lbs. on a regular basis.

3) Please describe how the work of this position is reviewed.

The HMM Program Manager oversees all HMM related projects, provides technical assistance when needed and reviews all written documents prior to delivery or submittal to the departments. From an HR perspective, each employee in the HMM program undergoes employee evaluation process as per criteria set-forth for the specific tasks.

CERTIFICATE OF SUPERVISOR OR DEPARTMENT HEAD: I have reviewed this description and certify as to its accuracy, with any exceptions noted.

Signature of Supervisor	7-21-08 **Date**
for **Signature of Department Head**	7-22-08 **Date**

University of California, San Francisco
MSP AND PSS JOB DESCRIPTION FORM
(Formerly MAP and A&PS)

APPROVED TITLE	EFFECTIVE DATE (mm/dd/yyyy)	TITLE CODE	GRADE	ER CODE
NAME Donald Travis Clark		DEPARTMENT EH&S	PRESENT PAYROLL TITLE Environmental Compliance Specialist II	% OF TIME 100%
SUPERVISOR'S NAME & PAYROLL TITLE Lamberto Luistro, Manager HMM			DEPARTMENT HEAD'S NAME & TITLE Robert Eaton, Director EH&S	

INSTRUCTIONS

Complete this job description as accurately as possible. The completed questionnaire will be reviewed by your supervisor and again by Human Resources. An organization chart MUST accompany this job description form.

SECTION I

1) Summarize the purpose of this position in a brief statement.

The Environmental program within the Office of Environmental Health and Safety is responsible for ensuring environmental compliance at all UCSF locations. This broad effort includes programs such as air compliance, underground storage tanks, stratospheric ozone, storm water discharge, wastewater discharge, sustainability, hazardous materials business plans, and chemical inventory.

The Environmental Health and Safety (EH&S) Specialist position requires frequent interaction with regulatory agencies, application and maintenance of environmental permits, providing consultation to capital projects/facilities management and on-site contractors, maintenance of existing environmental programs, representing the university during environmental inspections, and communication with virtually all departments within the university. The Environmental Compliance Specialist directly supervises the chemical inventory technician and ensures that hazardous materials business plans are prepared and submitted. Participates in the EH&S Emergency Response Program.

Additionally, the Environmental Compliance Specialist may be called on to interface directly with members of the community, participates in UC system wide program development/workgroups, or develops special projects as requested by the HMM Manager.

The Environmental Compliance Specialist is expected to have a thorough understanding of environmental laws and regulations and have strong communication skills, both verbal and written. The incumbent is expected to have strong problem solving and organizational skills to arrive at mutually beneficial solutions to potential environmental issues.

2) **Briefly describe the most important duties you perform in the normal course of your work. Describe them, in order of their importance, and indicate the average percent of time devoted to each duty over the course of the year.**

% of Total Work Effort	Description of Duties
35	Responsible for all UCSF environmental permitting activities (underground storage tanks, above ground storage tanks, storm water program, wastewater discharge, stratospheric ozone, emergency diesel generators, and air emissions). Prepares and reviews all documents, applications, reports, notifications, and submittals relating to environmental permits and environmental regulatory agencies inspections. Accompanies regulators during environmental inspections.
30	Provides professional expertise to campus personnel and on-site contractors regarding environmental regulations and requirements. Environmental review of proposed construction activities, assists end users with permit applications, and provides information/advice regarding new technology/procedures. Communicates potential environmental issues with senior leadership.
20	Supervision of Hazardous Materials Business Plan (HMBP) technician and HMBP program development. This program includes a campus wide chemical inventory, regular reporting requirements, and annual inspections with local regulators. Participates in the EH&S Emergency Response Team Programs including after hours, weekends and holidays coverage.
10	Works on special environmental health and safety projects as assigned by the HMM Manager.
5	Participation in UC system wide workgroups/projects and research to ensure compliance with new regulations. Performs other duties as assigned.

3) **State the important objectives or end results that your position is required to achieve. Some overlapping with the statement of duties is permissible, but the emphasis in this question is on specific end results, as opposed to the general description of the job.**

The incumbent is evaluated on the ability to ensure that UCSF meets all environmental regulations. This effort requires a thorough knowledge of the broad range of environmental laws and regulations. The ability to interpret applicable regulations, determine if the university meets the regulations, and communicate any potential issues to end users and senior leadership are integral to this position.

Strong communication skills and subject expertise allow the Environmental Compliance Specialist to negotiate with regulatory agencies and end users to arrive at acceptable solutions to environmental issues.

SECTION II

Positions are allocated to the PSS and MSP Personnel based on the following allocation factors: Complexity, Applied Knowledge, Freedom to Act, Resource Management, Scope and Impacting Others. The questions that follow are designed as accurately as possible to assess these factors.

1) **Please give a (n) example(s) of the issue(s) or problem(s) you typically are required to resolve. This/These example(s) should illustrate the complexity of the problems solved and the difficulty and originality involved in performing the work. For example, how well are issues defined and what facts are available to you.**

   New construction often requires several levels of input from the Environmental Compliance Specialist including plans review, permit applications and post construction follow up. Identification of potential environmental issues during plans review/conceptual design, such as air pollution sources, soil export procedures, underground tank installations, and storm water requirements are all critical to ensure there are not costly overruns later in the project. The permit application process requires extensive communication with contractors and regulatory agencies to ensure provided information is accurate and that permits are delivered within schedule. Post construction procedures include testing of systems to ensure environmental compliance and updating chemical inventory updates. The total effort requires excellent organizational skills as well as constant communication with contractors, end users, and regulatory agencies.

   Identification of new/changing regulations is a significant challenge to the Environmental Compliance Specialist. Researching new regulations, determining the impacts to the university, coordinating with local regulators, and communicating the requirements to senior leadership are a critical part of this position. Changes in regulations can potentially affect current operating procedures, conflict with other regulatory requirements, require the development of new environmental programs, and/or incur significant cost to the university. Senior leadership requires early and accurate information as it becomes available in order to plan the university's response to these issues.

2) **Provide examples of how professional or technical knowledge is required to perform your job satisfactorily.**

   The incumbent must have a broad understanding of environmental laws and regulations in a variety of areas. Additionally, the incumbent must have knowledge of basic chemistry, mathematics, physics and/or biology and the ability to learn radiation, biological, chemical fire and life safety, and general physical safety issues, rules, regulations and procedures.

   The incumbent must also have strong verbal and written communication skills, strong organization and problem solving, and the ability to effectively supervise direct reports.

3) **Describe the required knowledge of institutional policies, procedures, rules and practices needed to carry out the responsibilities of your position. Please provide examples.**

   The incumbent is required to read and become fully knowledgeable of university and campus OEH&S Standard Operating Procedures. The incumbent is also expected to understand applicable rules and protocols regarding the supervision of union represented employees.

4) **Please describe the type of guidance (instructions, policies, procedures, practices, precedences, etc.) you typically use to arrive at decisions.**

Guidance is based on state and federal regulations, departmental SOPs, and general direction from EH&S management, primarily the HMM Program Manager. Work is usually done independently and decision making is typically the result of independent research.

5) **How and by whom are goals and objectives set for your position?**

Goals and objectives are set by the HMM Program Manager in both weekly meetings and annual evaluations. Priority and tasks are adjusted as needed.

6) **How are most significant decisions or projects reviewed, for what purpose and by whom?**

The Environmental Compliance Specialist is expected to inform management and stake holders when there are significant issues regarding environmental compliance and permitting issues. Infractions of permit conditions or environmental regulations may result in severe enforcement action. Mitigation measures developed by the Environmental Compliance Specialist are reviewed by senior EH&S management to ensure proper approach.

7) **Please give examples of the type of authority vested in your position to commit the organization to a course of action or policy.**

The Environmental Compliance Specialist may represent the university during all environmental inspections, permit negotiations, and on site environmental related compliance activities, such as construction, maintenance, and conceptual design. This broad range of responsibility sets the incumbent in a position to act as liaison between environmental regulatory agencies, internal stake holders, hired contractors, OEH&S management, and senior university leadership.

On occasion, the Environmental Compliance Specialist is called upon to address the community directly and negotiate on the university's behalf.

The result of these interactions may commit the university to modify standard operating procedure, change the scope of a project, or initiate new projects to mitigate an identified issue.

8) **Describe the supervisory responsibility vested in your position. Include the number and titles of the positions reporting directly to you, as well as the number and titles of positions reporting indirectly to you.**

The Environmental Compliance Specialist is responsible for conducting annual performance evaluations, establishing work schedules, making recommendations for the selection of new employees, annual merits and incentive awards, and provides constructive feedback on a daily basis to staff.

1 Senior EH&S Technician

9) **To what degree are you directly responsible for the management of funds? Indicate the variety of funding sources under your control: N/A**

	# of Budgets	Current Year Amount
Appropriated Funds		
Private Contracts		
Private Grants		
Government Contracts		
Government Grants		
Recharge Operations		
Generated Income Funds (e.g.: professional fees, patient charges, etc.)		
Endowments		
Zero Budget Operations		
Other Sources		

10) **Do you have responsibilities for equipment, facilities, space and/or materials in your position? If you have, please describe.**

The Environmental Compliance Specialist is primarily an administrative position and as such, does not posses physical equipment beyond standard office equipment. The Environmental Compliance Specialist is, however, responsible for environmental recordkeeping and related documents.

11) **Please list examples of planning and policy-making activities for which you are directly responsible.**

The incumbent participates with senior management in setting consistent policies and procedures for the assigned areas of responsibility. Through research and experience, the Environmental Compliance Specialist may advise senior management on policy position and development.

12) **What are the likely consequences of an error resulting from actions or decisions that impact staff, financial resources, equipment, good will or facilities? Consider only those errors that have a high probability of occurring.**

Failure to comply with environmental laws, regulations and best practices may result in enforcement actions, fines, civil penalties, environmental damages, and/or harm to the university's relationship with the surrounding community.

13) **What are the key controls in your position that give you an indication or a warning signal when things are going wrong?**

Periodic inspections by regulatory agencies, department safety advisors, and the environmental staff identify shortfalls in the environmental program. Accidental release, spills, and contamination often indicate failures in approved procedures. Feedback from end users also can provide critical information to mitigating a potential issue.

14) What contacts outside your department are required either personally, by correspondence, or by telephone?

Organization Contacted	*Purpose*	*How Often?*
All UCSF departments	Relay/gather information regarding environmental issues	Daily
CPFM	Coordinate environmental requirements with construction/sustainability committee	Multiple times per week
Design and Construction	Coordinate environmental requirements with construction/environmental vendors	Multiple times per week
Contractors/Consultants	Coordinate environmental requirements with construction/environmental vendors	Multiple times per week
Campus Planning	Coordinate environmental requirements with construction	Weekly
BAAQMD	Air compliance/permitting/ inspections	Weekly
SF Dept of Public Health	HMBP/inspections/underground storage tanks/risk management plan	Weekly
Other UC Campuses	Coordinate environmental initiatives/gather information/environmental managers committee	Monthly
Members of the community	Relay information/report environmental status/gather information	Rarely
Regional Water Quality Control Board	Industrial wastewater/storm water compliance/inspections	Monthly
SF Central Utilities Program	Wastewater compliance/ inspections	Monthly
UCOP	Legal council/relay, gather information	Rarely
Other environmental agencies (San Mateo County, Alameda County, EPA, DHS, etc)	Gather/relay information/ permitting/inspections/ environmental compliance	Weekly

CERTIFICATE OF EMPLOYEE: I certify that the aforementioned information is correct and complete, and describes my job, as I understand it.

Employee Signature

Date

TO BE COMPLETED BY THE SUPERVISOR OF THE POSITION

1) **Briefly state the reason for this position in your organization?**
This position represents a critical component of the mission in OEH&S; effective compliance with environmental laws and regulations. The Environmental Compliance Specialist coordinates all UCSF environmental permit and environmental compliance activities, is a seasoned EH&S professional capable of independent problem solving and an expert in one or more areas of OEH&S specialty such as biological, chemical, radiation, fire and life safety.

The Environmental Compliance Specialist must be able to maintain a safe work environment within UCSF's complex, politically sensitive communities, i.e., campus, city, sate regulatory agencies, neighborhood communities, etc.

2) **Please describe how the work of this position is reviewed.**
Work is reviewed through evaluation of work products, i.e., compliance (underground and above ground storage tanks, air, industrial waste water, storm water management, hazardous materials inventory, business plans, risk management), quality of applications or data entry of appropriate regulatory tracking information, feedback from CPFM, Design & Construction and Building Management, consultants, routine discussion and consultation with the different programs in OEH&S, etc.

3) **What special training and/or experience would be required of an applicant for this position?**
Bachelor's Degree in one of the following: environmental science, chemistry, biology, mathematics, or a related science; four years experience in a safety related field. Knowledge of basic computer use, including standard office software; ability to learn in-house developed applications; ability to train others effectively on EH&S safety issues; excellent verbal and written communications skills; excellent interpersonal skills. Ability to work effectively with contractors, including CPFM and Medical Center project managers. Position is subject to Department of Transportation guidelines. Possession of a current valid CA Driver's License, good driving record. Ability to lift 50 lbs. on a regular basis.

4) **ADDITIONAL COMMENTS: If there are other pertinent facts which you feel are not covered by this questionnaire, please list them and cite specific examples.**
The Environmental Compliance Specialist should have in-depth knowledge of the EH&S profession, expert knowledge of more than one of its specialties and the ability to make sound judgments independently within politically sensitive communities, both internal and external to UCSF. A college degree is required.

CERTIFICATE OF SUPERVISOR OR DEPARTMENT HEAD: I have reviewed this description and certify as to its accuracy, with any exceptions noted.

_____ _____
Signature of Supervisor Date

_____ _____
Signature of Department Head Date

Support documents in response to Information Request Questions:

25. Did Respondent ever purchase drums or other containers from a drum recycler or drum conditioner? If yes, identify the entities or individuals from which Respondent acquired such drums or containers.
    Response: No. UCSF purchase drums and supplies from the University contracted hazardous chemical waste vendor.

UC Office of the President

Purchasing Services - Agreements Database

Agreement Record

Vendor Name:	PSC Environmental Services Div	**Commodity Type:**	Services-Waste/Disposal/Repair
Product/Commodity:	Hazardous Waste Disposal	**UC Agreement #:**	083/OP/055
Agreement Type:	Primary	**Vendor Agreement #:**	n/a
Expiration Date:	09/30/2010	**RFP:**	Yes - 2006
SBA Classification:		**UC Contract Owner:**	Darryl Sweet 510.987.0473 Darryl.Sweet@ucop.edu UCOP Purchasing Svcs
Issue Orders to:	See designated point of contact for each location.		
Vendor Rep 1:	Andrea Antell	**Phone :**	(215) 896-7554
Vendor Rep 2:	Paul Schultz	**Phone :**	(412) 227-6139
Vendor homepage:	www.pscnow.com		

Submit Feedback

Participating Locations:

Campuses:	All Campuses
Labs:	All Labs
MedCtrs:	All Medical Centers

Files:

Last Updated	Document Name
/18/2006	Certificate of Insurance (2006)
12/04/2006	PSC - Operating Units
11/22/2006	PSC Attachment 11- Location Contact List
11/21/2006	Master Agreement (2006)
11/20/2006	PSC Location Page
11/01/2006	PSC Attachment 9 - Supplement 5(2006)
10/18/2006	PSC Addendum B - Environmental Insurance(2006)
10/18/2006	PSC Operations Plan(2006)
10/18/2006	PSC Attachment 13 - EHS Contacts(2006)
10/18/2006	PSC Attachment 10 - Appendix A Labs Only (2006)
10/18/2006	PSC Attachment 8 - Certification Regarding Debarrment(2006)
10/18/2006	PSC Attachment 1 - Pricing(2006)

Delivery Terms:	N/A
Payment Terms:	Net 30 days

Submit Feedback

<< Back

© The Regents of the University of California

STRATEGIC SOURCING AGREEMENT
UC CONTRACT # 083/OP/055
SUPPLIER CONTRACT #_____

This Agreement for HAZARDOUS WASTE MANAGEMENT, TRANSPORTATION AND DISPOSAL SERVICES is entered into between PSC (hereinafter also referred to as "SUPPLIER" or "the SUPPLIER"), a [DE] corporation, and THE REGENTS OF THE UNIVERSITY OF CALIFORNIA (hereinafter also referred to as "UNIVERSITY" or "the UNIVERSITY"), a California public corporation, on October 1, 2006 and becomes fully-executable upon the date that it is signed by both parties.

1. DEFINITIONS

- "Agreement" – This University of California Systemwide Agreement for Hazardous Waste Management and Disposal (see also "Primary Source"). "Agreement" and "Contract" may be used interchangeably throughout this document.
- "Bid response" – The terms "bid", "bid submittal", "bid response", "proposal," and "RFP response" are used interchangeably in this Agreement and refer to SUPPLIER's documents and attachments in response to the UNIVERSITY's RFP #083/OP/055.
- "Campus" – Any UNIVERSITY campus, medical center, or National Laboratory which may be operated by the UNIVERSITY on behalf of the Federal Government.
- "Contract Administrator" – The contract manager designated by the UNIVERSITY Office of the President, Strategic Sourcing, to administer the Agreement.
- "Certificate of Disposal," "Certificate of Destruction or Recycling" or "CD" – A document certifying the final disposition of each waste container in compliance with all applicable regulatory requirement. The Certificate must reflect the facility the date and the method of disposition for each waste container. The certification language must meet the definition in 40CFR761.3.
- "Days" – Unless otherwise stated, refers to calendar days.
- "DOE" – Refers to the United States Department of Energy
- "DOT" – Refers to the United States Department of Transportation, unless the California Department of Transportation (also referred to as "CalTrans") is specified.
- "EH&S Officer" – Environmental Health and Safety Director, or their authorized representative, for each UNIVERSITY Location.
- "Emergency Response Service" – Response to an unplanned event for immediate control and mitigation of an emergency situation such as spills under direction of the campus technical staff. The response can include arrangement for identification, packaging and transportation of resulting waste. Subcontractor will be required to be able to mobilize sufficient qualified personnel and equipment to respond to the emergency within 2 hours of notification.
- "Environmental Impairment Liability Insurance" – Same as pollution liability insurance.
- "EPA" – Refers to either the United States Environmental Protection Agency, unless the California Environmental Protection Agency (also referred to as "CalEPA") is specified
- "Field Station" – An off-campus research facility.
- "Full Service" – The providing of supplies and lab-packing services in addition to transportation and disposal of the UNIVERSITY's hazardous waste; this includes labor and materials to prepare worksite and cleanup to original site condition. This also includes professional and technical personnel to inspect, lab pack, bulk, HazCat (categorize the hazardous material(s)), document, profile, package, transport and dispose of the UNIVERSITY's waste according to all applicable federal, state and local regulations, TSDF waste acceptance criteria, Department of Energy orders where applicable at the National Laboratories and UNIVERSITY policies and procedures. Full Service should be provided with a minimum of two (2) qualified individuals at the appropriate functional classification.
- "Gross Weight" – Total weight of the filled shipping container, including all fillers, absorbent, shipping container and hazardous waste.
- "Hazard Categorization" or "HazCating" – The labor, materials and analytical work provided by the SUPPLIER per sample for the exclusive purpose of identifying or classifying chemicals sufficient to satisfy all applicable TSDF waste acceptance criteria and regulatory agency requirements.

- "Invoice," "Acceptable Invoice," "Valid Invoice," and "Correct Invoice" are used interchangeably within this document and refer to a written request for payment (invoice) which meet both of the following requirements: 1) it is formatted to include each of the items specified in the minimum requirements below and 2) it is pre-approved by the designated location EH&S representative as accurate.
- "Invoice Date" – The date that the valid Invoice is received by the Accounts Payable Department for each specific location. The Invoice Date marks "Day 1" from an Accounts Payable perspective and is used to calculate payment terms such as "Net 30."
- "Laboratory Moves (or "Lab Moves") – May include all or part of inventorying, packing, handling and moving hazardous and associated materials from one location to another at a certain location or campus; and, when necessary, hazcating as necessary, packing and/or transportation and disposal of hazardous waste. Unless bid as a separate (unusual in size or complexity) quote, the UNIVERSITY expects standard contract labor and material charges apply for Lab Moves and standard contract transportation and disposal charges apply per any hazardous waste accepted during a Lab Move work assignment.
- "Lab-packing Services" – Includes collecting, sampling, consolidating, profiling, packaging, labeling, loading and other handling of hazardous waste, containers and paper work while physically working at UNIVERSITY facilities.
- "Location" – includes all sites and facilities noted below as "participating locations" in this Agreement. Please note that a Campus or Laboratory "Location" may include several pick-up or loading docks.
- "Net Weight" – For lab-packs, weight of internal material and primary containers, excluding all packaging materials and outer shipping containers; for bulk solids and liquids, weight of the waste material only.
- "Pollution Insurance" -- Insurance to cover risks associated with the contamination of the environment - air, ground, or water. Liability from pollution is frequently excluded to some degree in the general, auto, and umbrella liability policies.
- "Primary Source", "Primary Supplier", "Primary Agreement" – refers to the Supplier or Agreement with such Supplier, which is awarded a specified scope of the UNIVERSITY's business after public bid. For Primary Agreements, the UNIVERSITY commits to use its best efforts to use the Primary Supplier for all work under the scope of the Agreement unless specifically prohibited by law, UNIVERSITY policy or particular circumstance.
- "Backup Source", "Backup Supplier", "Backup Agreement" - refers to the Supplier or Agreement with such Supplier, which is awarded a specified scope of the UNIVERSITY's business after public bid. For Backup Agreements, the University commits to use its best efforts to use the Backup Supplier in the event that a Primary Supplier can not provide a satisfactory service and/or respond timely to the University needs for all work under the scope of the Agreement unless specifically prohibited by law, UNIVERSITY policy or particular circumstance.
- "Profiling" – Submission of information concerning a waste stream to a treatment, storage, or disposal facility for determination regarding the acceptability of the waste stream by the treatment, storage, or disposal facility. Profiling is not the same as hazard categorization. However, information obtained from a hazard categorization may be included in a profile submission.
- "Reactive Chemical" – Those chemicals that require the EPA waste code of D003.
- "Request for Proposal" – The terms "Request for Proposal" (RFP) and "bid request" are used interchangeably in this RFP and refer to this document and the referenced attachments.
- "Self Pack" – The UNIVERSITY's authorized and trained personnel perform all packing and bulking of waste in preparation for SUPPLIER's pick up, transportation and disposal of the UNIVERSITY's waste. SUPPLIER may provide reasonable guidelines and restrictions for "Self Packing" to the UNIVERSITY. These guidelines are subject to acceptance or modification by the UNIVERSITY. Any such modification must also be approved by SUPPLIER.
- "Special Projects" – Short term or temporary support services or services rendered for non-routine matters.
- "Supplier" - The terms "SUPPLIER," "Respondent" and "Bidder" are used interchangeably in this Agreement and refer to the same entity, the provider of goods and services to the UNIVERSITY.
- "Systemwide" – The term "Systemwide" refers to all UNIVERSITY participating locations, collectively. "Systemwide" and "UNIVERSITY wide" are used interchangeably in this RFP.
- "Training" – Professional instructional services and educational services in the areas of inspection, handling, analyzing, processing, treatment, etc., of hazardous waste materials and issues involving hazardous waste materials.

- Transportation & Disposal Price – The total charge for transporting and disposing of hazardous waste from UNIVERSITY facilities to a UNIVERSITY-approved TSDF, including any necessary profiling, manifesting, and other documentation associated with proper waste disposal.
- "Treatment/Disposal Method" – The UNIVERSITY's approved method of treatment and disposal for all identified waste streams in the Pricing Attachment. It is the UNIVERSITY's desire to use the most environmentally safe and cost effective U.S. Environmental Protection Agency (USEPA) and California EPA (Cal/EPA) approved methods for the disposition of its waste.
- "TSDF" and "Final TSDF" – "TSDF" Means Treatment, Storage, or Disposal Facility, as defined in Title 22 California Code of Regulations, Section 66260.10 and in Title 40 Code of Federal Regulations 260.10. The "Final TSDF" means the last place at which a hazardous substance is treated, recycled, disposed or destroyed. Hazardous waste, unless rendered non-hazardous, would never be transported from a "Final TSDF" to any other location. The "Final TSDF" issues the "Certificate of Disposal," "Certificate of Destruction or Recycling" or "CD" (defined above).
- "UNIVERSITY", "UC" and "University of California" – All of these names are used interchangeably and refer to ALL ten campuses, the Lawrence Berkeley National Laboratory, their participating field locations, and remote sites collectively.
- "UNIVERSITY Affiliates" – Separate institutions or businesses that have a close business relationship with the UNIVERSITY and allow the UNIVERSITY to establish Agreements that are eligible for their participation. Any such participation must be documented and mutually agreed-to by SUPPLIER and Affiliate and may refer to or use this Agreement and Pricing.
- "Web Tracking" – Any secure internet portal or web-based interface that is hosted by SUPPLIER and enables UNIVERSITY personnel to follow the transportation, treatment and final disposal of all UNIVERSITY generated waste handled by the SUPPLIER.
- "Waste Tracking" – a capability provided by the SUPPLIER to the UNIVERSITY which enables sufficiently detailed information to track the disposition of each manifested waste substance, and its original container, where applicable, from the site of the generation to and including any interim treatment facility to the site of final treatment or disposal.
- "Work" – all obligations, duties, requirements, and responsibilities required to be undertaken for the successful completion of the Agreement by the SUPPLIER, including the furnishing of all supervision, labor, materials, equipment and other supplies incidental with the execution of the Agreement and in accordance with the terms and conditions set forth in the Agreement.

2. AGREEMENT TERM, CURE PERIOD AND TERMINATION

2.1. **Initial Agreement Period.** The initial Agreement period shall be four (4) years, beginning October 1, 2006 and ending September 31, 2010.

2.2. **Agreement Extension.** The UNIVERSITY reserves the right and SUPPLIER agrees to allow the UNIVERSITY the option to extend, at the UNIVERSITY's discretion, this Agreement term for up to three (3) additional one-year periods, at the same terms and conditions as the original Agreement.

In the event the UNIVERSITY requires additional time to initiate a new or extended Agreement at the end of the initial term or any extended period, the SUPPLIER agrees to continue providing services to the UNIVERSITY on a month-to-month basis, for a period not to exceed six (6) months, at the prices, terms and conditions in effect during the prior period.

2.3. **Cure Period .** If the UNIVERSITY deems, in its sole judgment, that the SUPPLIER has failed to demonstrate full compliance with the Agreement requirements, or may be otherwise in breach of this Agreement, the UNIVERSITY will issue notice in writing and provide thirty (30) days to cure.

2.4. **Termination.** The UNIVERSITY may terminate this Agreement for convenience at any time in whole or in part, in accordance with the terms of Article 4 of UNIVERSITY Terms and Conditions, Appendix "A", as attached. In the event of such termination, the UNIVERSITY agrees to provide SUPPLIER at least forty-five (45) days advance written notice of the effective date of termination and the extent

thereof without penalty. If SUPPLIER wishes to terminate Agreement before its expiration, SUPPLIER must provide at least ninety (90) days advance written notice of such intent.

2.5. **Force Majeure.** Except as otherwise provided in this Agreement, if either party is delayed or prevented from performing any act required by reason of earthquake, fire or casualty or natural disaster, strike or other labor dispute, moratorium, riot, civil disturbance, or any other circumstance beyond the reasonable control of the party, then the time for performance of such act shall be extended to the extent reasonably required as a result of such Force Majeure.

3. USAGE

3.1. **Agreement Utilization & "Primary" Designation.** The UNIVERSITY recognizes the SUPPLIER as the Primary source for the scope of processes and services awarded under this Agreement and further specified as Attachment 1, Price Worksheet 1 (Section 1, Block 1 and Block 3). The SUPPLIER is agreeing to perform contract as per pricing matrix supplied on 8/1/06 and named Contract Pricing rev 8-2-06.xls and is supplied as requested in confirmed final version located in PSC Attachments 1-3 and named Attachment 1 PSC Contract Pricing 8-23-06.

The UNIVERSITY commits to use reasonable efforts to encourage use of SUPPLIER (the "Primary Supplier") for all work under the scope of the Agreement unless specifically prohibited by law, UNIVERSITY policy or particular circumstance. The UNIVERSITY, however, does not mandate use of its Primary Agreements, and participating UNIVERSITY locations may choose to use other vendors. SUPPLIER will actively work with each participating UNIVERSITY location to continue to pursue the business under the scope of this Agreement. The UNIVERSITY retains all rights to purchase like items and services from other sources when necessary to comply with law or to address particular short-term events.

3.2. **Agreement Utilization & "Backup" Designation. The** UNIVERSITY recognizes SUPPLIER as the Backup source for the scope of processes and services awarded under this Agreement and further specified as Attachment 1, Price Worksheet 1 (Section 1, Block 2).

3.3. **Agreement Utilization & "Optional" Designation. The** UNIVERSITY recognizes SUPPLIER as the Optional source for the scope of processes and services awarded under this Agreement and further specified as Attachment 1, Price Worksheet 2 (Section 2). The University decision to use Supplier for the services listed in Section 2 will be made locally by each University location. Also, University locations reserve the right to negotiate specific terms, including pricing for the services listed in Section 2.

Estimates of usage as provided in the Request for Proposal (RFP) preceding this Agreement were provided as estimates only, and do not constitute a commitment of any kind. Failure of the UNIVERSITY to purchase estimated quantities shall not constitute either a breach of this Agreement or grounds for termination or cancellation of this Agreement.

3.4. **Participating Locations.** Participating UNIVERSITY locations are:
University of California, Berkeley (UCB),
University of California, Davis (UCD),
University of California, Irvine (UCI),
University of California, Los Angeles (UCLA),
University of California, Merced (UCM)
University of California, Riverside (UCR),
University of California, Santa Barbara (UCSB),
University of California, Santa Cruz (UCSC),
University of California, San Diego (UCSD),
University of California, San Francisco (UCSF),
and Lawrence Berkeley National Laboratory (LBNL).

4. PRICING

4.1. **Pricing Structure.** The SUPPLIER shall render services to the UNIVERSITY in accordance with the Pricing attached here as Attachments 1-3. Prices are quoted both as "T&D" (Transportation and Disposal) and "Full Service" per specified unit of measure (i.e. lb. (pound)) for each identified waste stream or category of waste. In addition, there are prices per hour for certain categories or types of service, which may apply to special or routine projects.

4.2. **Discounts.** The UNIVERSITY shall receive the benefit of any promotional and or quantity discounts offered to other customers during this Agreement period if such discounts would result in a lower selling price to the UNIVERSITY. The UNIVERSITY shall receive equal or lower pricing per specified unit of measure extended to any other customer of the SUPPLIER's during the same time period (i.e., same calendar year).

4.3. **Price Protection.** The attached prices are firm for at least the first twelve (12) months of the Agreement, except in the event of changes in environmental regulations, rules, or statutes that result in a change in cost to supplier. In addition, the UNIVERSITY agrees that, in the event of an unusual or catastrophic event resulting in a significant cost increase of greater than ten percent (10%) to SUPPLIER, the UNIVERSITY will negotiate with SUPPLIER, in good faith, a reasonable adjustment in SUPPLIER'S rate schedule (Attachment 4, Section 1, Block 1) provided SUPPLIER provides documentation to substantiate such event.

4.4. **Price Decreases.** Offers for price decreases are immediately accepted by the UNIVERSITY and, effective on the Invoice Date showing the first price decrease shall become the new standard systemwide price for that exact item or service at all UNIVERSITY locations. Exceptions are made for special quote items such as large projects, for which lower unit prices may be accepted as a one-time occurrence; such quotes should be labeled "special quote."

4.5. **Price Increases.** After the first twelve (12) months of this Agreement, the SUPPLIER is eligible to request a price increase. Requests for price increases may only be made once each year, in writing, at least 30 days in advance of the contract anniversary date.

In each twelve (12)-month period, the proposed price increase will not exceed 5.00% or CPI (the Consumer Price Index, as measured by the U.S. Department of Labor Bureau of Labor Statistics), whichever is less, for any standard line item specified in the attached Pricing document. If the SUPPLIER does not request a price increase for any item (identified in the Price Attachment), that year's item price change is noted as Zero (0), or as a forfeited option.

In the event that a certain line item specified in the attached Pricing document has a significant price increase in excess of five (5) percent, those prices shall be negotiated individually between both parties.

4.6. **Fees and "Other" Charges.** Prices identified in the attached Pricing document are net prices per unit of measure, and are inclusive of all transportation-associated costs. No surcharges or additional charges (i.e., fuel surcharges, freight, transportation fees, special handling fees, etc.) will be billed for any service provided under this agreement unless granted in advance on an exception basis by the University of California Contract Administrator at UC Office of the President.

No minimum waste quantity is required for waste pickup. SUPPLIER must pick up waste regardless of size of order. SUPPLIER and the UNIVERSITY may mutually agree to aggregate (or hold) certain waste for pickup where space and time constraints permit. There is no additional charge or fee for small waste pickups.

4.7. **Taxes.** Tax status may vary, depending upon the nature of the funding source. Goods purchased with Federal funds, whereby title for goods passes directly to the government, are tax exempt. The

UNIVERSITY representative placing the purchase order will advise the SUPPLIER if the order is tax exempt. If no notification on tax status is given to the SUPPLIER, then the SUPPLIER shall consider the products to be taxable and services to be not taxable. The SUPPLIER's quotes and invoices must include all applicable taxes and a description of each line item.

4.8. **Patronage Incentive**. During the term of this Agreement, and any extension(s) to such term, the SUPPLIER agrees to provide the UNIVERITY a quarterly Patronage Incentive in the amount equal to two (2) percent of the total sales of Products and Services. The amount of quarterly Patronage Incentive provided to each UNIVERITY location will be calculated based on the total quarterly sales to each location. Each participating UNIVERSITY location shall have the right to modify proposal Pricing for the individual location up to 2% in the event UNIVERSITY location(s) decide not to implement a rebate program. The Patronage Incentive will be issued to The Regents of the University of California and mailed to each UNIVERSITY location participating in the rebate program.

5. INVOICING AND SETTLEMENT

5.1. **"Invoice to" at each UNIVERSITY Location.** Records for work done at each UNIVERSITY location must be kept separate from all other locations, and invoices shall be issued to the individual UNIVERSITY location for which the work was specified at time of order or as agreed during the implementation planning meeting(s) at that location (i.e. some UNIVERSITY locations may have invoices sent directly to the Accounts Payable department at that location and others will review and approve invoices at the EH&S Department).

5.2. **Minimum Invoice Information Requirement.** Invoices are expected to be timely and accurate when submitted to the UNIVERSITY, and must indicate at a minimum:

- PURCHASE ORDER NUMBER or release number
- UNIVERSITY AGREEMENT NUMBER
- DATE items were picked up or services were rendered
- EPA ID#, where applicable, for the UNIVERSITY pickup site or site where services were rendered
- REFERENCE NUMBER of up to 32 digits provided by the UNIVERSITY for accounting units
- Additional Customer or Project Number as may be provided by the UNIVERSITY at time of order
- ORIGINAL ORDER & INVOICE NUMBER for all credit invoices
- "LEVEL 2" AND "LEVEL 3" P-CARD (purchasing card) information (when P-Card is used for settlement)
- LINE BY LINE DESCRIPTIONS of all items or services, which must EXACTLY MATCH the shipping document/ manifest or services ordered
    - Each line must contain:
    - NET QUANTITY
    - SHORT DESCRIPTION of the item or service
    - UNIT OF MEASURE
    - PRICE PER UNIT OF MEASURE
    - BLOCK & SUB-BLOCK identification corresponding to the Pricing document format
    - TOTAL NET PRICE for that line
    - TAX STATUS of that line (i.e., indication of whether item is taxable or not)
- TOTAL SALES TAX as a separate line item, where applicable
- DISCOUNTS, when applicable, as a separate line item for each discount applied

5.3. **Payment Terms.** Standard payment terms are Net 30 days after acceptance of an accurate invoice. Invoices must be received after services have been rendered and/or products delivered. The SUPPLIER agrees to offer UNIVERSITY location(s) prompt payment discounts for invoices paid in less than Net 30 days.

5.4. **Invoice Timeliness and Accuracy.** UNIVERSITY monies are typically allocated for specific fiscal years and the failure to have invoices paid and cleared during a specific period of time may result in the

loss of said monies to the UNIVERSITY. Therefore, the UNIVERSITY requires the SUPPLIER to work with each UNIVERSITY accounts payable office to understand that location's cut-off dates and requirements for acceptance of accurate invoices. Some locations will not accept or pay late invoices, submitted more than six months after the date of service.

5.5. **Continuous Improvement of the Invoicing Process.** The SUPPLIER and UNIVERSITY will work together at each location to improve invoice management and quality of the process, including but not limited to Invoice pre-approval process improvement, consolidated invoicing, electronic invoicing & settlement.

5.6. **Settlement of Invoices.** The SUPPLIER must accept payment of individual or consolidated monthly invoices by:

- Check
- EFT (Electronic Funds Transfer)
- ACH (Automated Clearing House) batched electronic payments
- EDI (Electronic Data Interchange), XML (eXtensible Markup Language)
- Purchasing Card / "P-Card" / "Ghost Card" (a purchasing card held by a department rather than an individual)
- Other electronic means as may be mutually-agreed upon at the Implementation Planning Meetings at each UNIVERSITY location

6. SCOPE OF WORK AND SERVICE LEVEL AGREEMENT

6.1. **Scope of Work – Overview.** Scope of work encompasses management and handling of Self-Pack (UNIVERSITY Packed) waste and Lab Packing and Bulk Wastes streams (see Attachment 1, Section I, Block 1), General Labor, transportation of UNIVERSITY generated waste to a UNIVERSITY-approved, fully permitted treatment and disposal facilities and the timely reporting of the status (i.e., treatment, disposal, destruction) of each waste substance. The SUPPLIER shall perform all work as the Primary Source SUPPLIER for the each of the identified waste streams.

Work shall consist of packing (if requested by a Campus), transportation and disposal of UNIVERSITY hazardous wastes, including a wide variety of chemicals from research and instructional laboratories and medical centers. Such wastes also include wastes from campus services such as: paint shops, machine shops, transportation services (automotive and equipment repair), plating shops, agriculture stations, building and boiler maintenance, electrical maintenance, carpenter shops, and other maintenance operations.

Required work may include a varying degree of lab pack and bulking services at each Campus. Some UNIVERSITY sites may only require "transportation and disposal" of hazardous waste. Other UNIVERSITY sites may require "full service" or a combination of both.

6.2. **Descriptions of Services.** The following services are within the scope of this Agreement; each service MUST be provided according to all applicable federal, state and local regulations, TSDF waste acceptance criteria, Department of Energy orders where applicable at the National Laboratories, and UNIVERSITY policies and procedures.

For all services, unless otherwise agreed upon, the SUPPLIER is responsible for providing their own safety gear, containers, tools and any apparatus or materials as may be required to satisfactorily perform the service.

The SUPPLIER may be given one or more physical areas in which to operate and routinely, or for a special project, provide service and will be responsible for all inspection and housekeeping requirements within the defined area. Should the area(s) not pass inspection, a corrective action plan and timeline for correction will be developed by the EH&S Officer.

The Supplier will provide training to members of UC free of charge as per their response to section 3.m of the RFP "General Capabilities Questions". The training will be provided in separate Northern California and Southern California Sessions on dates agreed to by UC and the supplier.

6.2.1. **"Full Service"** – The providing of supplies and lab-packing services in addition to transportation and disposal of the UNIVERSITY's hazardous waste, including labor and materials to prepare worksite and cleanup to original site condition.

"Full Service" also includes professional and technical personnel to inspect, lab pack, bulk, HazCat (categorize the hazardous material(s)), document, profile, package, transport and dispose of UNIVERSITY's waste. "Full Service" should be provided with a minimum of two (2) qualified individuals at the appropriate functional classification, unless more or fewer are mutually agreed to at the time of order in advance of the service(s) rendered. Any containers packaged by the SUPPLIER that do not meet the disposal site Waste Acceptance Criteria or that are not in compliance with DOT or EPA regulations shall be repackaged at the expense of the SUPPLIER.

The EH&S Officer shall review and sign each waste profile sheet prior to the shipment of any waste.

6.2.2. **Transportation (of "Self Pack" hazardous waste) and Disposal Only.** The SUPPLIER arranges for timely (reference 6.3.4) pick up and shipment of waste from each location. The SUPPLIER labels and packages containers for shipment and profiles the waste (at some locations containers may already be labeled by UC EH&S staff). The SUPPLIER prepares manifests, bills of lading and associated documentation, including land disposal notification and/or certification and packing lists. SUPPLIER loads containers (or tanker trucks, where applicable) for shipment and processes, treats, disposes and tracks all waste streams.

The EH&S Officer shall review and sign each waste profile sheet prior to the shipment of any waste. The SUPPLIER may provide reasonable guidelines and restrictions for "Self Packing" to the UNIVERSITY for any waste for which T&D only is used. Such packing guidelines are subject to acceptance or modification by the UNIVERSITY. Any such modification must also be approved by the SUPPLIER.

6.2.3. **Contract Labor / Labor provided on a Per-Hour Basis for Special Projects not Included in Full Service and T&D Scope.** The SUPPLIER may provide services on a per-hour or project-by-project basis or may assist UNIVERSITY personnel for the services below.

6.2.3.1. **Waste Packaging and Treatment,** which includes:

- Classification and segregation by hazard class of wastes
- Packaging waste into containers labeling each by hazard class
- Bulking compatible wastes for recycling, fuels blending, treatment, storage or disposal, including compatibility testing of bulking candidates
- Repackaging waste into larger or smaller containers if not acceptable for disposal in their current quantities or containers
- Lab packing wastes by hazard class, chemical compatibility and disposal site criteria to reduce shipping and disposal cost
- Lead and asbestos surveys, sampling, or abatement, polychlorinated biphenyl (PCB) handling, decontamination, drum crushing, pumping rain water from berms and yard and facility maintenance (i.e. housekeeping, filter change out, etc.)
- Sampling wastes and preparing samples for analysis. Samples should characterize waste and profile waste for disposal

6.2.3.2. **Analysis of Material,** which includes:

- Sample analysis to determine hazardous characteristics
- Fingerprint testing or HazCating waste materials whose characteristics must be identified prior to packaging, storage or disposal

6.2.3.3. **Waste Analytical Testing,** which includes testing and analytical documentation of all tests (including the type of test, method, date and time rendered, results, location of tests and name of person performing the tests).

The UNIVERSITY shall not be charged for routine or mandatory testing (i.e., BTU and pH analysis) required to process or dispose of UNIVERSITY waste. The SUPPLIER shall obtain verbal UNIVERSITY approval by the EH&S Officer prior to performing any waste analysis to be separately charged to the UNIVERSITY.

6.2.3.4. **Hazardous Waste Administrative Consulting,** includes the provision of professional and technical personnel, as directed by the EH&S Officer, to assist in the timely and accurate preparation of required technical documents and reports.

6.2.4. **Job Title and Skill Categories**

6.2.4.1. **On-Site Supervisor/Chemist:** The On-Site Supervisor is an employee that has sufficient skills, job knowledge and experience to supervise other employees. This person completes cost reports, QA (Quality Assurance) reports and other reports as required. As a chemist, will be responsible for classifying and segregating the waste by hazard class, determining Proper Shipping Names, segregating compatible chemicals for bulking, HazCating wastes and providing labpack schemes per TSDF requirements.

6.2.4.2. **Senior Technician**: The Senior Technician is an employee who may work without supervision under direction of the On-Site Supervisor/Chemist and will perform tasks such as bulking and lab packing as assigned.

6.2.4.3. **Technician**: The technician is an employee who performs the assigned tasks under supervision of the On-Site Supervisor. Supervision responsibility maybe delegated to the EH&S Officer by agreement.

6.2.4.4. **Shipping Clerk**: The shipping clerk is an employee who completes all manifests, Land Disposal Restriction forms and other documents for all shipments under direction of the On-Site Supervisor or the EH&S Officer.

6.2.4.5. **Hazardous Waste Driver/Technician**: This employee is primarily the driver of a permitted hazardous waste hauler vehicle. The driver may also act as a technician while at the UNIVERSITY site to assist in packaging the materials, labeling drums and loading the truck. The driver is responsible for insuring that the truck is properly placarded and operational.

6.2.4.6. **Emergency Responder**: This employee will respond to hazardous chemical spills at the UNIVERSITY site, assist the EH&S Officer in the analysis of the situation and in the development of a plan to mitigate the circumstances and will use proper techniques to clean up spills/hazards to the satisfaction of the EH&S Officer.

6.3. **Service Level Agreement**

6.3.1. **Trained and Qualified Employees.** The SUPPLIER shall only provide qualified personnel to work under this Agreement. The SUPPLIER shall submit resumes for all proposed personnel performing work on UNIVERSITY property to the EH&S Officer at the applicable location(s). Should the EH&S Officer deem anyone proposed or provided by the SUPPLIER unfit for his or her duties, the EH&S Officer will inform the SUPPLIER, and the SUPPLIER shall remove such person from work under this Agreement immediately. Any such removed employee shall not, without prior written consent of the EH&S Officer, be assigned to work again under this Agreement.

6.3.2. **UNIVERSITY-Conducted Training.** The minimum technical skills and experience required for SUPPLIER's employees to be accepted for work at the UNIVERSITY and title/skill classifications of each SUPPLIER employee are intended as minimum requirements and not as pre-approval of any particular employee. The UNIVERSITY may require successful completion of UNIVERSITY-conducted training courses, such as radiation handling and health hazard communication. SUPPLIER shall not charge the UNIVERSITY for employee time spent in required UNIVERSITY training.

6.3.3. **Account Management Service and Support.** The SUPPLIER shall, prior to commencement of andy services under this Agreement, designate a single point of contact for each UNIVERSITY location, who is responsible for assisting the UNIVERSITY to which they are assigned in the timely resolution any operational, service invoice or contract-related issues. This person is expected to respond to phone calls or emails in a timely fashion. This individual should meet no less frequently than every six (6) months with the location EH&S Officer to review performance and to mutually determine goals for improvement.

6.3.4. **Service Level / Minimum Response Times.** UNIVERSITY recognizes that from time to time, unavoidable delays may occur in responding to phone calls or the like; however, the following response times are considered minimally acceptable:

Type of Service	Response Time
Call or email for new service request/order	6 business hours
Call or email inquiry regarding an existing request/order	4 business hours
Call or email inquiry regarding a billing/invoicing issue	6 business hours
Call or email inquiry requesting special assistance on a non-emergency matter (i.e., clarifications of self-pack guidelines for non-routine substances)	6 business hours
For routine waste pickups: Time from confirmation of new request/order to time of arrival of appropriate personnel and truck(s)	14 days, unless otherwise mutually agreed at time of order
Call or email requesting generation of a custom or standard report on UNIVERSITY activity	6 business hours
Generation/delivery of above-referenced report	5 business days
Generation of Certificate of Destruction/Disposal/Recycling (CD)	Within 1 year (365 calendar days) of ship date

6.3.5. **Standard Hours of Operation and Local Parking, Vehicle & Traffic Regulations.** The UNIVERSITY's hours of operation are site-specific. However, the hours generally range from 8:00 a.m. to 5:00 p.m. Pacific Time, Monday through Friday, excluding national holidays. Hours of operation may vary somewhat at the National Laboratories. All routine business except for emergency response are to be conducted during these times unless on a Location specifies other times.

Local restrictions exist for certain UNIVERSITY buildings, routine pick-up sites and campuses in general for the following:

- size of vehicles
- hours of pick-up, loading and transit (especially when on central campus roads or access points)
- parking or loading regulations or permits

The Attached Campus Profiles (Attachment 5) denote by campus and by EPA ID# the known restrictions of each UNIVERSITY location. However, the SUPPLIER and the local EH&S Officer

should devise a standard service plan that best fits the overall transportation and traffic limits of that location and document this plan in the Implementation Planning meetings.

6.3.6. **Vehicles and Equipment.** Each vehicle, truck or trailer used by SUPPLIER to haul the UNIVERSITY's waste must have all applicable hauler permits and must be equipped with safety and emergency response equipment and materials to handle a spill or release of the waste being transported. The SUPPLIER must use enclosed vehicles to transport the waste unless written permission from the EH&S Officer is obtained.

If so authorized in advance, the SUPPLIER shall ensure that the SUPPLIER's personnel are trained in the use and operation of UNIVERSITY-owned vehicles and equipment. The UNIVERSITY shall provide such training as needed.

6.4. **Implementation Plan / Operations Plan.** SUPPLIER's designated representative(s) must meet with local UNIVERSITY EH&S Officer(s) at each UNIVERSITY location at least 30 days in advance of providing service to that location to devise a mutually-agreeable Implementation Plan. At a minimum, the plan must document the following:

- A physical tour, conducted by the EH&S Officer, of each routine UNIVERSITY service site. The UNIVERSITY will supply copies of campus maps
- A meeting with the local Strategic Sourcing representative in Campus Purchasing or Material Management to review the Supplier Code of Conduct, local Purchase Order and Accounts Payable procedures and requirements, review of Campus personnel authorized to issue verbal and written releases or orders under this Agreement, review of other procedures such as marketing and communicating this Agreement as may be appropriate for local implementation of this Agreement.
- Safety Requirements and Emergency Operation Plan at each routine service site
- On-Campus Transportation Plan, including primary and secondary pick-up routes to, and departure routes from, UNIVERSITY locations, time restrictions or local permitting requirements for parking and loading
- Review of required local activity reports, if different from standard reports, including "ship to" location for hard-copies of Certificates of Disposal, as requested
- Review of and training on SUPPLIER's web-based tracking and reporting capabilities/tools
- Review of local operations, preferred pick-up schedules, building or campus security requirements, exchange of contact information for primary and secondary UNIVERSITY and SUPPLIER personnel
- Review of any local policies regarding lab-packing or self-packing procedures
- If requested by local EH&S Officer, review of UNIVERSITY-designated treatment and disposal methods and primary and any alternate TSDFs which may be used for location's waste
- All participating SUPPLIER employees must have read and signed SUPPLIER's Operation Plan and the UNIVERSITY's contingency plan. SUPPLIER must inform the UNIVERSITY in writing at least seven (7) working days of any changes in the Operation Plan before such changes take place. Any unforeseen occurrences which result in implementation of the Contingency or Emergency Response Plan or deviation from the Operation Plan must be communicated to the EH&S Officer within twenty-four (24) hours of such an occurrence
- SUPPLIER will initiate waste profiling "paperwork" preparation and consult with EH&S Officer on correctness and completeness of profiling data

The Implementation Plan at each location will automatically become a local "Operations Plan" after 3 months. This Operations Plan will be maintained and updated on at least an annual basis by both the local EH&S Office and SUPPLIER.

7. Licensing and Permitting

7.1. Copies of SUPPLIER's current licenses or permits, as noted here, were provided as attachments to the RFP that preceded this Agreement. The SUPPLIER is responsible for maintaining current licenses and permits as required by Federal, State and Local regulatory agencies and for providing updated copies to the University. At any time, the UNIVERSITY Contract Administrator may request new current copies of these and other applicable licenses and permits as relate to the performance of services under this Agreement:

- California Department of Toxic Substances Control: Hazardous Waste Transporter Registration
- US Department of Transportation Pipeline and Hazardous Materials Safety Administration Hazardous Materials Certificate of Registration
- California Department of Motor Vehicles (DMV) Motor Carrier Permit
- California Highway Patrol Hazardous Materials Transportation License

8. Waste Tracking and Contract Activity Summary Reports

8.1. SUPPLIER offers web-based capability for each UNIVERSITY EH&S Officer to "log in" and request activity reports as may be necessary to track waste or manage the department's hazardous waste business. In addition to this capability, SUPPLIER shall furnish in hard-copy form, upon request, reports for each location that show summary activities as may be requested. For instance, these reports may show usage under the Agreement per specified time period, all TSDFs used for location-generated wastes, location spend by category of waste, quantities of waste generated by category, subtotals of labor used by category of labor.

8.2. SUPPLIER shall provide a quarterly Microsoft® Excel summary report in spreadsheet format to the UNIVERSITY Contract Administrator within 15 days of the close of the UNIVERSITY's fiscal quarter. This report must show actual spend by each UNIVERSITY location for the preceding four (4) quarters.

8.3. SUPPLIER must provide proof of disposal, destruction, or recycling in the form of a Certificate of Disposal, Destruction or Recycling (CD) including the following information:

- Manifest #
- Manifest Line Number
- Final Disposal Facility
- Date of Final Disposal/ Destruction/ Recycling for each shipping container
- Disposal Method
- Quantity disposed (100% of waste per line item)
- Certification meeting the definition of 40CFR761.3.

THE CD MUST BE RECEIVED FOR THE ENTIRE MANIFEST OR SHIPPING PAPER WITHIN ONE YEAR (365 CALENDAR DAYS) OF THE SHIP DATE TO AVOID ASSESSMENT OF LIQUIDATED DAMAGES AS DESCRIBED BELOW.

9. Accidental Discharge or Release of University-generated Waste

9.1. The SUPPLIER warrants that in the event of an accidental discharge or release of hazardous materials caused by the SUPPLIER, the SUPPLIER shall, with urgency and due diligence, take immediate steps as required by federal, state, and local laws and regulations. Then, the SUPPLIER shall immediately notify the UNIVERSITY of all details regarding the accidental discharge or release of UNIVERSITY generated waste.

9.2. The SUPPLIER shall only permit appropriate personnel within its company to make public statements or issue news releases regarding the accidental discharge and in all cases of public use of the UNIVERSITY's name or identifying logo or pictures (such as of UNIVERSITY buildings), the SUPPLIER specifically agrees to consult with authorized UNIVERSITY Public Relations Staff before making any public statements or issuing any press statements which would identify the UNIVERSITY.

10. **Liquidated Damages for Non-Performance.** Due to the extent to which the UNIVERSITY relies on its hazardous waste services provider to meet its specified obligations, the UNIVERSITY will impose liquidated damages for non-performance. Liquidated damages will be assessed as follows:
    - **Certificates of Disposal:**
      Level 1: Overdue certificates receive an immediate $200 assessment on the 46th day.
      ~~**Level 2: Certificates still overdue after 15 additional days will be assessed $250.**~~
      ~~**Level 3: Certificates still overdue after 15 additional days will be assessed $300. After a level 3**~~ **occurrence, the account manager for that site will be contacted to immediately rectify the overdue certificates.**
    - **Invoices:**
      Incorrect Invoices which are not corrected, re-submitted or cancelled and re-submitted (whichever is necessary) within 30 days of the UNIVERSITY's notice of discrepancy will be assessed a per invoice rate of $200.00.
    - **Emergency Response Service:**
      An emergency response that does not commence within 2 hours of quoted start time (without advance approval by UNIVERSITY's authorized representative to delay the response) will be receive a $500.00 assessment. An assessment of $500 per day will continue until response is completed.
    - **Standard Response Service:**
      Standard hazardous waste pickups delayed or missed (without prior rescheduling) beyond 2 business days will be assessed $100.00 per day beginning on the third business day. The assessment continues until the pickup is completed.

The above liquidated damages amounts are calculated to compensate the UNIVERSITY for direct damages it may incur as a result of said delays, which are impracticable or extremely difficult to fix; however, these damages do not preclude the UNIVERSITY from recovering any and all other damages that may result or from obtaining equitable relief.

11. **Liquidated damages as noted above will be immediately calculated as credits against current and future work. If the contract is terminated and liquidated damages or other credits are due to the UNIVERSITY, the UNIVERSITY will issue an invoice to the SUPPLIER with instructions, at the UNIVERSITY's sole option, to make a direct payment by check or EFT (Electronic Funds Transfer).**

12. **GENERAL TERMS AND CONDITIONS**

12.1. **Auditing Requirements**

12.1.1. **Audit of Agreement.** This Agreement shall be subject to the examination and audit of the UNIVERSITY Auditor, agencies of the United States and the UNIVERSITY's Office of the President, Material Management for a period of three years after final payment under this Agreement. The examination and audit shall be confined to those matters connected with the performance of this Agreement, including, but not limited to, the costs of administering this Agreement. In addition, the Federal Sponsoring Agency, the Comptroller General of the United States, or any of their duly authorized representatives, shall have access to any books, documents, papers, or records of SUPPLIER which are directly pertinent to this Agreement for the purpose of making audits, examinations, excerpts and transcriptions.

12.1.2. **Audit of SUPPLIER and Third-Party Vehicles and Facilities.** The UNIVERSITY reserves the right, but shall not be obligated, to perform an on-site audit of all vehicles, treatment facilities and final TSDFs operated and/or utilized by the SUPPLIER in the performance of services under this Agreement, whether owned by Supplier or a third party (i.e., a rented and permitted vehicle used in the transportation of UNIVERSITY waste or a TSDF owned by a third party).

12.1.3. **Audit of / Calibration Verification of Scales, Containers** - All waste containers and shipping containers (prior to transport) shall be weighed using accurate and calibrated scales. The SUPPLIER shall provide each Campus EH&S Officer with calibration certifications for all scales used to weigh UNIVERSITY waste for invoicing purposes. Scales shall be calibrated annually. Alternatively, the SUPPLIER may use UNIVERSITY-obtained weights. The SUPPLIER may be required to validate scale calibration or size and capacity of containers.

12.2. **Supplier Code of Conduct / Conflicts of Interest.** The SUPPLIER shall exercise reasonable care and diligence to prevent any action or condition which could result in a conflict of interest concerning this Agreement with the UNIVERSITY.

SUPPLIER shall comply with UNIVERSITY policies on gifts and gratuities (see University Business and Finance Bulletin 43, available on any UC campus website or from http://www.ucop.edu). Each UC location may have a local "Supplier Code of Conduct;" any such local procedures will be discussed and documented during the Implementation Planning Meeting for that location.

12.3. **Indemnification. The** UNIVERSITY shall defend, indemnify and hold SUPPLIER, its officers, agents, and employees harmless from and against any and all liability, loss, expense, including reasonable attorney's fees, or claims for injury or damages arising out of the performance of this Agreement but only in proportion to and to the extent such liability, loss, expense, attorney's fees, or claims for injury or damages are caused by or result from the acts or omissions of the UNIVERSITY, its officers, agents or employees.

The SUPPLIER shall defend, indemnify and hold the UNIVERSITY, the DOE, and their respective officers, agents, students and employees harmless from and against any and all liability, loss, expense, including reasonable attorney's fees, or claims for injury or damages arising out of the performance of this Agreement but only in proportion to and to the extent such liability, loss, expense, attorney's fees, or claims for injury or damages are caused by or result from the acts or omissions of the SUPPLIER, its officers, agents or employees.

The SUPPLIER shall defend, indemnify and hold harmless the UNIVERSITY from any and all claims, demands, causes of action or suits, of whatever nature, arising out of the SUPPLIER's use of facilities, whether or not owned by the SUPPLIER, for the management, transportation and disposal of waste or material generated by the UNIVERSITY.

12.4. **Communications**

12.4.1. **Attachment (11)** indicates the SUPPLIER's primary and secondary point of contact at each UNIVERSITY location for all issues relating to the performance of this Agreement.

12.4.2. **Attachment (13)** indicates the UNIVERSITY's current EH&S primary and secondary points of contact (i.e. "EH&S Officer") for all operational issues relating to the performance of this Agreement. Purchasing/Strategic Sourcing personnel are also indicated in this Attachment; these individuals should be contacted for local contract implementation issues or questions or if assistance is required in resolving any local issue.

12.4.3. **Notice of Violation.** SUPPLIER must provide notice to the UNIVERSITY if the SUPPLIER receives a notice of violation, government enforcement order or investigation of civil or criminal lawsuit regarding either (a) any waste shipments generated by the UNIVERSTIY or (b) any treatment, storage or disposal facility used by the SUPPLIER to treat, store or dispose of UNIVERSTIY waste.

12.4.4. **Contract Updates and Modifications.** The Contract Administrator for this Agreement is the office of Strategic Sourcing at UC Office of the President. This is the only office, other than the Office of General Counsel for the UC Regents, authorized to amend or modify this Agreement. Any contract-related correspondence, including any updates or modifications to systemwide pricing, must be sent primarily to:

ATTN: Haggai Hisgilov
Executive Director
Strategic Sourcing
University of California Office of the President
1111 Franklin Street, 10th Floor
Oakland, CA 94607-5200

12.4.5. **Communication of Agreement.** The UNIVERSITY publishes systemwide contracts and Pricing on a website which is only accessible by UNIVERSITY employees. The UNIVERSITY Contract Administrator, local Strategic Sourcing Representative, local EH&S Officer and SUPPLIER will work together to design a communication and marketing or implementation plan for communication of the contract and value to the UNIVERSITY. The SUPPLIER will work with each UC Location to develop a specific marketing or communication plan as appropriate to inform and work with the primary end users of this Agreement.

12.5. **California Public Records Act.** The UNIVERSITY is a public agency and all Agreements entered into by the UNIVERSITY may be subject to requests for disclosure under the State of California Public Records Act (CA State Government Code 6250, et. seq.). Certain private, trade secret or confidential information may be considered exempt from the California Public Records Act. Any trade secret or company confidential information contained in this Agreement, including all attachments should be clearly marked "Trade Secret Information" or "Company Confidential Information." SUPPLIER's designation of information such manner does not require the UNIVERSITY to refuse to disclose the information. Should a request be made of the UNIVERSITY for access to the information designated confidential or trade secret by the bidder and, on the basis of that designation, the UNIVERSITY denies the request, the bidder may be responsible for all legal costs necessary to defend such action if the denial is challenged in a court of law.

12.6. **Insurance.** SUPPLIER, at its sole cost and expense, shall insure its activities in connection with the work under this Agreement and obtain, keep in force, and maintain insurance as specified in Attachment 6, Appendix B, "Environmental Insurance" and with the requirements of Article 17 of Appendix A, Attachment 7.

12.6.1. **Certificate of Insurance.** The SUPPLIER shall furnish the UNIVERSITY's Contract Administrator with certificates of insurance evidencing compliance with all requirements no later than five (5) business days prior to commencing work under this Agreement. Such certificates shall:

- Provide thirty (30) days advance written notice to the UNIVERSITY of any modification, change, or cancellation of any of the above insurance coverage
- Indicate that the UNIVERSITY and DOE have been endorsed as additional named insureds under the coverage referred to in the referenced attachments above;
- Include a provision that the coverage will be primary and will not participate with nor be excess over any valid and collectible insurance or program of self-insurance carried or maintained by the UNIVERSITY
- The SUPPLIER shall furnish the UNIVERSITY'S Contract Administrator with evidence of current financial assurance for final closure and post-closure activities (as applicable) as required under 40 CFR 264.143 and 264.145 for each receiving TSDF used to service this Agreement. The evidence of financial assurance must be provided no later than five (5) business days prior to commencing work under this Agreement. The evidence provided must include a description of the financial mechanism used to comply with these closure requirements, the name of the entity issuing the financial instrument, and the instrument's expiration date

12.7. **University of California Terms and Conditions.** The University of California Terms and Conditions of Purchase, Appendix A, Attachment 7, are applicable to this Agreement and are incorporated herein. In the event of a conflict between the terms and conditions of this Agreement and those in Appendix A, the terms and conditions of this Agreement take precedence.

12.8. **Wage Determination (applies to work performed for Lawrence Berkeley Laboratory ONLY).** The US Department of Labor requires compliance with the Service Contract Act (SCA) for service employees involved in the performance of work hereunder. Subcontractor agrees to provide these employees with at least the minimum compensation (wage and fringe benefits) specified in the wage determination(s). Contractors who work at Lawrence Berkeley National Laboratory must comply with the SCA.

The Department of Labor issues wage determinations on a contract-by-contract basis in response to specific requests from contracting agencies. These determinations are incorporated into the contract.

The categories that may be covered by a Wage Determination for work under this Agreement are: Chemist On-Site; Material Expediter; Material Handling Laborer; Shipping Packer; Shipping Clerk; Truck driver (various levels); Hazardous Waste Driver/Technician and Emergency Responder. Should any of these employee services be included in a contract with LBNL the employer must provide the prevailing wages and benefits required. Employers must notify employees working in connection with the contract of the compensation due them under the wage and fringe benefits provisions of the contract.

12.9. **Additional Terms and Conditions.** The following Attachments are applicable to this Agreement and are incorporated herein, as noted below:

- **Attachment 8 -Appendix C, Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion -- Lower Tier Covered Transactions (53 FR 19211)**
- **Attachment 9 - Appendix D, (Supplement 5) Special Terms and Conditions for Federal Government Contracts**
- **Attachment 10 – Appendix E, General Provisions for Fixed Price Non-Commercial Supplies & Services (Applied to work performed for Lawrence Berkeley National Laboratory Only).**

In the event of a conflict between this Agreement and the above Attachments, the above Attachments take precedent.

12.10. **Governing Law.** This Agreement shall be governed in all respects by the laws of the State of California, without regard to its conflicts of laws provisions; further, any dispute arising from this Agreement shall be heard in a court of competent jurisdiction in California.

12.11. **Successors and Assigns.** Neither the SUPPLIER nor the UNIVERSITY shall assign their rights, duties or obligations under this Agreement, either in whole or in part, without the prior written consent of the other, which consent shall not unreasonably be withheld. Except as limited by the preceding sentence, this Agreement shall be binding upon, and inure to the benefit of, the parties to this Agreement and their respective successors and assigns.

12.12. **Severability.** If any provision of this Agreement, or its application to any person, place, or circumstance, shall be held by a court of competent jurisdiction to be invalid, unenforceable or void, the remainder of this Agreement and such provisions as applied to other persons, places and circumstances shall remain in full force and effect.

12.13. **Entire Agreement.** This Agreement, including the Attachments incorporated herein, states the entire agreement between the parties described herein with respect to the subject matter and supersedes any previous or contemporaneous oral and/or written contract(s) or agreement(s) This Agreement incorporates by reference The University of California's Request For Proposal (RFP) #083/OP/055 and SUPPLIER's Response to RFP #083/OP/055, dated April 20, 2006. In the event of a conflict between the terms and conditions of this Agreement and those of said RFP and SUPPLIER'S response to the RFP, those contained in this Agreement shall prevail.

Signed and executed by:

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA

Haggai Hisgilov

Haggai Hisgilov

Executive Director, Strategic Sourcing
UC Office of the President

Date 9/26/06

Signature of Authorized Representative

PAUL TAVEIRA
Printed Name of Authorized Representative

Vice President
Title of Authorized Representative

Date 10/2/06

PSC

UC JULY 1, 2008 PRICING

BLOCK	CTG #	SUB #	CATEGORY	TAG	FULL SVS	UOM	UC's Preferred Disposal Method	DESCRIPTION
BLOCK 1	A		Labpack Chemicals	2.29	2.80	lb	Incineration	Includes but not limited to: RCRA regulated laboratory chemicals, bulk chemotherapy drugs, human and animal specimens in formalin or other fixatives, pesticides, PIH Zone B,C&D and other miscellaneous chemicals. Includes RCRA expired pharmaceuticals
	B		Labpack Chemicals (PIH Zone A)	11.83	12.34	lb	Incineration	DOT Poison Inhalation Hazards Zone A
	C		Labpack Chemicals Reactive	11.27	11.87	lb	Incineration	Chemicals with D003 EPA Code
	D		Organic Mercury Compounds	10.11	10.81	lb	Incineration	Organic Mercury Compounds with D009 EPA Codes
	E		Inorganic Mercury Compounds	18.20	19.01	lb	Retort	Inorganic Mercury Compounds with D009 EPA Codes
	F		Mercury Solutions					
		1	>260 ppm	2.29	2.80	lb	Incineration	Mercury Solutions with D009 EPA Code, ORGANIC
		2		18.20	19.01	lb	Retort	Mercury Solutions with D009 EPA Code, INORGANIC
		3	<260 ppm	2.29	2.80	lb	Incineration	Mercury Solutions no EPA Code, ORGANIC
		4		2.29	2.80	lb	Treat / Landfill	Mercury Solutions no EPA Code, INORGANIC
	G		Elemental Mercury	2.29	2.80	lb	Recycle	Metallic Mercury
	H		Mercury Contaminated Debris					
		1	>260 ppm	18.20	19.01	lb	Retort	Mercury Contaminated Debris with D009 EPA Code may include broken thermometers, manometers, esophageal tubings, labware, etc.
		2	<260 ppm	2.29	2.80	lb	Treat / Landfill	Mercury Contaminated Debris D009 may include broken thermometers, manometers, esophageal tubings, labware, etc.
	I		Aerosols	2.29	2.80	lb	Incineration	Flammable/Corrosive/Toxic/Non-Flammable
	J		Consolidated Liquids					
		1	Solvents	0.36	0.46	lb	Fuels Blending	Flammable solvents >=5,000 BTU/lb
		1a		0.38	0.48	lb	Fuels Blending	Flammable solvents >=5,000 BTU/lb (pickup via tanker truck)
		2		0.47	0.58	lb	Incineration	Flammable solvents <5,000BTU/lb
		3	Combustible Liquids	0.34	0.44	lb	Fuels Blending	Organic Liquids >=8,000 BTU/lb
		4	Solvents/Acids	0.70	0.72	lb	Incineration	Solvents/Acids, example; (liquids mixed under laboratory conditions in small quantities then consolidated for disposal), methanol+acetic acid or other organic acids, may include methanol+nitric acid
		5	Inorganic (Acidic)	0.47	0.58	lb	Treat/Landfill	Inorganic Acids with or without metals
		6	Inorganic (Alkaline)	0.47	0.58	lb	Treat/Landfill	Inorganic Basic solutions
		7	Aqueous Solutions with Organics	0.70	0.72	lb	Incineration	Includes but not limited to:City Water, Ethidium bromide solutions and wet gels, Formalin solutions, Phenol/Chloroform, and other organic liquid. <5000 BTU/lb
		8	Aqueous Solutions w/metals	0.47	0.58	lb	Treat/Landfill	Aqueous with CA and/or RCRA regulated metals, example; copper chloride, zinc sulfate, lead acetate, may
	K		Formaldehyde Series					
		1	RCRA regulated	0.65	0.93	lb	Incineration	Laboratory/Hospital/Research debris contaminated with RCRA chemicals may include sharps contaminated with chemicals
		2		0.58	0.60	lb	Landfill	Laboratory/Hospital/Research debris contaminated with RCRA chemicals
		3	Non RCRA regulated	0.58	0.60	lb	Incineration	Laboratory/Hospital/Research debris contaminated with non RCRA chemicals with no sharps or other non RCRA materials
		4		0.58	0.60	lb	Landfill	Laboratory/Hospital/Research debris contaminated with non RCRA chemicals with no sharps or other non RCRA materials
		5	Non Formaldehyde Series	0.58	0.60	lb	Landfill	Non Formaldehyde Series in 55 gallon drums
		6	Non RCRA Solids	0.58	0.60	lb	Solid Recovery	In 55 gallon drums
		7		0.58	0.60	lb	Landfill	In 55 gallon drums
		8	RCRA Solids	140.78	150.28	each	Solid Recovery	In 5 gal pails
		9	Non RCRA Solids	140.78	150.28	each	Landfill	In 5 gal pails
		10	RCRA Liquids	249.93	266.80	each	Incineration	In 5 gal pails
		11	Non RCRA Liquids	0.48	0.68	lb	Incineration	In 55 gallon drums
	L		Empty contaminated Drums					
		1	>30 gallon	32.57	34.67	ea	Recycle/Landfill	Contaminated with such items as paints, oils, laboratory chemicals, etc.
		2	<= 30 gallon	32.57	34.67	ea	Recycle/Landfill	Contaminated with such items as paints, oils, laboratory chemicals, etc.
	M		Haz Cat	16.28	16.28	ea	Determined by classification	Hazard classification of unknown chemicals. This is not an identification of the unknown. It is the classification for shipment and disposal purposes.
	N		Labor Rates					
		1	Technician	37.82	37.82	hr		
		2	Driver	38.87	38.87	hr		
		3	Shipping Clerk	27.31	27.31	hr		
		4	Senior Technician	37.82	37.82	hr		
		5	Supervisor/Chemist	48.33	48.33	hr		

BLOCK	CTG #	SUB #	CATEGORY	TAG	FULL SVS	UOM	UC's Preferred Disposal Method	DESCRIPTION
BLOCK 1			Gas Cylinders					
	A	1	Inert Gases					Example: Nitrogen, Carbon Dioxide, Argon and Helium
		2	Lecture	$ 216	$ 216	ea	Treat/Incin	<3" diameter by <13" long
		3	Small	$ 269	$ 269	ea	Treat/Incin	<4" diameter by <24" long
		4	Medium	$ 332	$ 332	ea	Treat/Incin	<12" diameter by <36" long
		5	Large	$ 363	$ 363	ea	Treat/Incin	<16" diameter by <56" long
	B	1	Flammable Gases	$ -	$ -			Freons: 12, 11, 22, 114, 134, 502
		2	Lecture	$ 216	$ 216	ea	Treat/Incin	<3" diameter by <13" long
		3	Small	$ 362	$ 362	ea	Treat/Incin	<4" diameter by <24" long
		4	Medium	$ 515	$ 515	ea	Treat/Incin	<12" diameter by <36" long
		5	Large	$ 625	$ 625	ea	Treat/Incin	<16" diameter by <56" long
	C	1	Corrosive Gases	$ -	$ -			Example: Hydrogen Chloride, Hydrogen Bromide
		2	Lecture	$ 352	$ 352	ea	Treat/Incin	<3" diameter by <13" long
		3	Small	$ 644	$ 644	ea	Treat/Incin	<4" diameter by <24" long
		4	Medium	$ 796	$ 796	ea	Treat/Incin	<12" diameter by <36" long
		5	Large	$ 1,779	$ 1,779	ea	Treat/Incin	<16" diameter by <56" long
	D	1	Pyroforic / Pyroforic Gases	$ -	$ -			Example: Triethylaluminum, Alkyl Metallic Gases
		2	Lecture	$ 1,261	$ 1,261	ea	Treat/Incin	<3" diameter by <13" long
		3	Small	$ 1,607	$ 1,607	ea	Treat/Incin	<4" diameter by <24" long
		4	Medium	$ 2,711	$ 2,711	ea	Treat/Incin	<12" diameter by <36" long
		5	Large	$ 3,358	$ 3,358	ea	Treat/Incin	<16" diameter by <56" long
	E	1	Toxic Flammable / Toxic Corrosive	$ -	$ -			Example: Chlorine
		2	Lecture	$ 310	$ 310	ea	Treat/Incin	<3" diameter by <13" long
		3	Small	$ 455	$ 455	ea	Treat/Incin	<4" diameter by <24" long
		4	Medium	$ 611	$ 611	ea	Treat/Incin	<12" diameter by <36" long
		5	Large	$ 796	$ 796	ea	Treat/Incin	<16" diameter by <56" long
	F	1	Toxic Reactive / Very Toxic	$ -	$ -			Example: Phosgene, Arsine
		2	Lecture	$ 826	$ 826	ea	Treat/Incin	<3" diameter by <13" long
		3	Small	$ 1,012	$ 1,012	ea	Treat/Incin	<4" diameter by <24" long
		4	Medium	$ 1,460	$ 1,460	ea	Treat/Incin	<12" diameter by <36" long
		5	Large	$ 2,867	$ 2,867	ea	Treat/Incin	<16" diameter by <56" long
	G		Gas Cylinder Carcasses	$ 141	$ 141	ea	Recycle	Includes but not limited to de-valved, holed, valved empty gas cylinders formerly containing flammable/non flammable/inert/calibrating gases, etc.
BLOCK 3	A	1	Potentially Explosive Chemicals					
		2	Peroxide Formers			lb	Incineration	Peroxides must be present in these compounds
		3	Nitro Compounds			lb	Incineration	All nitro compounds that meet D003 explosive characteristics (40 CFR 261.23)
		4	Organic Peroxides			lb	Incineration	Hazard Classification of Primary 5.2 and Secondary 1.1
		5	DOT Explosives			lb	Incineration	Meets DOT explosives 172.101 (i.e. Discarded ammunition, flare lighters, flares).
		6	Compounds which may be identified			lb	Incineration	i.e. picric acid, trinitrotoluene, dinitrobenzene, Tetrahydrofuran

BID PRICE MATRIX
ATTACHMENT 1
UC RFP #083/OP/055

OPTIONAL SECTION

BLOCK	Sub	Category	Descriptions	UOM	Preferred Disposal Method	BIDDER RESPONSE SECTION Pricing T & D	Full Service		
Block 1		Emergency Response Service	7 days per week, 24 hours per day on-call, response time within 2 hours						
Block 2		Oils, automotive fluids and automotive waste							
	a	Used Oil		gal	Recycle	$2.42	$2.88		
	b	Oily Water	>50% water	gal	Treat/Combustion	$2.42	$2.88		
	c	Used Oil Filters	Automotive only	lb	Recycle	$1.00	$1.46		
	d	Radiator Coolant	Automotive	gal	Recycle	$2.42	$2.88		
Block 3		Light Bulbs							
	a	Straight Fluorescent Tubes	mearured in per linear foot	lf	Recycle	$0.85	$1.32		
	b	U Shaped Fluorescent Tubes	All sizes of U tubes	ea	Recycle	$1.24	$1.71		
	c	Compact Fluorescent Tubes		lf	Recycle	$1.53	$2.01		
	d	Low & High Pressure Sodium		ea	Recycle	$2.89	$3.35		
	e	HID / Metal Halide Lamps		ea	Recycle	$1.70	$2.16		
	f	Mercury vapor Lightbulbs		ea	Recycle	$2.89	$3.35		
	g	Crushed / Broken Lamps		lb	Recycle	$1.59	$2.06		
	h	Ultra Violet		ea	Recycle	$2.89	$3.35		
	i	Circle Fluorescent Tubes		ea	Recycle	$2.89	$3.35		
Block 4		Batteries							
	a	Mercury	High Mercury	lb	Recycle	$4.24	$4.71		
	b	Nickel - Cadmium	Prismatic	lb	Recycle	$1.48	$1.94		
	c	Nickel - Cadmium	Cylindrical	lb	Recycle	$1.48	$1.94		
	d	Alkaline		lb	Landfill	$1.10	$1.57		
	d1	Alkaline		lb	Recycle	$1.10	$1.57		
	e	Lithium	Reactive/Non-reactive	lb	Recycle	$2.42	$2.88		
	f	Lead Acid	Industrial	lb	Recycle	$1.00	$1.46		
	g	Lead Acid	Sealed	lb	Recycle	$1.00	$1.46		
	h	Lead Acid	Automotive	lb	Recycle	$1.00	$1.46		
	i	Nickel Iron/Nickel metal hydride		lb	Recycle	$1.48	$1.94		
	j	Silver Zinc		lb	Recycle	$1.34	$1.81		
	k	Magnesium		lb	Recycle	$1.68	$2.14		
Block 5		Photographic Liquids							
	a	Photographic Fixers		gal	Recycle	$3.78	$5.13		
	b	Photographic Developer		gal	Recycle	$3.78	$5.13		
	c	Mixed Fixer/Developer		gal	Recycle	$3.78	$5.13		
Block 6		Paint Wastes							
	a	Consolidated liquid paint flammable	full drum of liquid flammable paint	lb	Recycle	$0.30	$0.76		
	b	Consolidated liquid paint latex	full drum of liquid water base paint	lb	Recycle	$0.48	$0.95		
	c	Labpacked flammable paints	includes pourable and non-pourable	lb	Recycle	$0.55	$1.01		
	d	Labpacked latex paint	includes pourable and non-pourable	lb	Recycle	$0.61	$1.08		
	e	Regulated Metal Based Paint Liquids	paints with RCRA metals, i.e. lead, chromium	lb	Incinerate	$0.98	$1.43		

BID PRICE MATRIX
ATTACHMENT 1
UC RFP #083/OP/055

OPTIONAL SECTION

BLOCK	Sub	Category	Descriptions	UOM	Preferred Disposal Method	BIDDER RESPONSE SECTION Pricing T & D	Full Service		
	f	Regulated Metal Based Paint Solids	paints with RCRA metals, i.e. lead, chromium	lb	Landfill	$0.46	$0.92		
Block 7		Electronic Components							
	a	CRT's (Cathode Ray Tubes)		lb	Recycle	$0.35	$0.81		
	b	CPU's (Computer Processing Units)		lb	Recycle	$0.47	$0.95		
	c	Universal Waste - Electronic Devices (UWED)		lb	Recycle	$0.47	$0.95		
Block 8		Asbestos							
	a	Friable for Landfill	Hazwaste landfill	lb	Landfill	$0.25	$0.71		
	b	Non-Friable for Landfill	Municipal landfill	lb	Landfill	$0.16	$0.63		
Block 9									
Block 10		PCB Lamp Ballasts		lb	Recycle/Incinerate	$0.71	$1.18		
Block 11		PCB Oils and Equipment		lb	Recycle/Incinerate	$0.58	$1.03		
Block 12		LPG	Propane gas		Incinerate				
	a	pound		ea	Incinerate	$18.38	$27.31		
	b	5 pound		ea	Incinerate	$18.38	$27.31		
		LPG	Mixed Propane/Butane		Incinerate				
	a	1 pound		ea	Incinerate	$27.31	$32.57		
	b	5 pound		ea	Incinerate	$27.31	$32.57		
Block 13		Recyclable Metals				0.00	0.00		
	a		Antimony	lb	Recycle	$0.27	$0.72		
	b		Arsenic	lb	Recycle	$0.27	$0.72		
	c		Barium	lb	Recycle	$0.27	$0.72		
	d		Beryllium	lb	Recycle	$0.27	$0.72		
	e		Cadmium	lb	Recycle	$0.27	$0.72		
	f		Chromium	lb	Recycle	$0.27	$0.72		
	g		Lead	lb	Recycle	$0.27	$0.72		
	h		Mercury	lb	Recycle	$0.27	$0.72		
	i		Nickel	lb	Recycle	$0.27	$0.72		
	j		Selenium	lb	Recycle	$0.27	$0.72		
	k		Silver	lb	Recycle	$0.27	$0.72		
	l		Thallium	lb	Recycle	$0.27	$0.72		
	m		Vanadium	lb	Recycle	$0.27	$0.72		
	n		Zinc	lb	Recycle	$0.27	$0.72		
Block 14		DRUMS & PACKAGING MATERIALS							
	a	85 gallon Steel Overpack		ea		$146.03	$146.03		
	b	85 gallon Poly Overpack		ea		$146.03	$146.03		
	c	55 gallon Steel Open Top		ea		$32.57	$32.57		
	d	55 gallon Steel Bung Top		ea		$32.57	$32.57		
	e	55 gallon Poly Open Top		ea		$32.57	$32.57		
	f	55 gallon Poly Bung Top		ea		$32.57	$32.57		
	g	55 gallon Fiber Drums		ea		$32.57	$32.57		

BID PRICE MATRIX
ATTACHMENT 1
UC RFP #083/OP/055

OPTIONAL SECTION

BLOCK	Sub	Category	Descriptions	UOM	Preferred Disposal Method	BIDDER RESPONSE SECTION Pricing T & D	Full Service		
	h	30 gallon Steel Open Top		ea		$32.57	$32.57		
	i	30 gallon Steel Bung Top		ea		$32.57	$32.57		
	j	30 gallon Poly Open Top		ea		$32.57	$32.57		
	k	30 gallon Poly Bung Top		ea		$32.57	$32.57		
	l	30 gallon Fiber Drums		ea		$32.57	$32.57		
	n	20 gallon Poly Open Top		ea		$32.57	$32.57		
	m	20 gallon Poly Bung top		ea		$32.57	$32.57		
	o	20 gallon Fiber Drums		ea		$32.57	$32.57		
	p	20 gallon Steel Bung Top		ea		$32.57	$32.57		
	q	14 gallon Poly Open Top		ea		$32.57	$32.57		
	r	10 gallon Fiber Drums		ea		$22.06	$22.06		
	s	10 gallon Steel		ea		$22.06	$22.06		
	t	5 gallon Steel Open Top		ea		$22.06	$22.06		
	u	5 gallon Fiber Drums		ea		$10.51	$10.51		
	v	5 gallon Poly w/screw tops		ea		$10.51	$10.51		
	w	Vermiculite (3 Cubic Foot Bag)		ea		$10.51	$10.51		
	x	Superfine		ea		$10.51	$10.51		
	y	Floor Dry (25 lb Bag)		ea		$10.51	$10.51		
	z	Wooden Box (DOT 15A)		ea		$10.51	$10.51		
	aa	5 gallon 2U carboys		ea		$10.51	$10.51		
	bb	Drum Liners - 55 gallon		ea		$10.51	$10.51		
						$1.05	$1.05		

BID PRICE MATRIX
ATTACHMENT 1
UC RFP #083/OP/055

12/21/2009

OPTIONAL SECTION

BLOCK	Sub	Category	Descriptions	UOM	Preferred Disposal Method	BIDDER RESPONSE SECTION Pricing T & D	Full Service		
Block 1		Emergency Response Service	7 days per week, 24 hours per day on-call, response time within 2 hours						
Block 2		Oils, automotive fluids and automotive waste							
	a	Used Oil		gal	Recycle	$2.42	$2.88		
	b	Oily Water	>50% water	gal	Treat/Combustion	$2.42	$2.88		
	c	Used Oil Filters	Automotive only	lb	Recycle	$1.00	$1.46		
	d	Radiator Coolant	Automotive	gal	Recycle	$2.42	$2.88		
Block 3		Light Bulbs							
	a	Straight Fluorescent Tubes	mearured in per linear foot	lf	Recycle	$0.85	$1.32		
	b	U Shaped Fluorescent Tubes	All sizes of U tubes	ea	Recycle	$1.24	$1.71		
	c	Compact Fluorescent Tubes		lf	Recycle	$1.53	$2.01		
	d	Low & High Pressure Sodium		ea	Recycle	$2.89	$3.35		
	e	HID / Metal Halide Lamps		ea	Recycle	$1.70	$2.16		
	f	Mercury vapor Lightbulbs		ea	Recycle	$2.89	$3.35		
	g	Crushed / Broken Lamps		lb	Recycle	$1.59	$2.06		
	h	Ultra Violet		ea	Recycle	$2.89	$3.35		
	i	Circle Fluorescent Tubes		ea	Recycle	$2.89	$3.35		
Block 4		Batteries							
	a	Mercury	High Mercury	lb	Recycle	$4.24	$4.71		
	b	Nickel / Cadmium	Prismatic	lb	Recycle	$1.48	$1.94		
	c	Nickel - Cadmium	Cylindrical	lb	Recycle	$1.48	$1.94		
	d	Alkaline		lb	Landfill	$1.10	$1.57		
	d1	Alkaline		lb	Recycle	$1.10	$1.57		
	e	Lithium	Reactive/Non-reactive	lb	Recycle	$2.42	$2.88		
	f	Lead Acid	Industrial	lb	Recycle	$1.00	$1.46		
	g	Lead Acid	Sealed	lb	Recycle	$1.00	$1.46		
	h	Lead Acid	Automotive	lb	Recycle	$1.00	$1.46		
	i	Nickel/iron/Nickel metal hydride		lb	Recycle	$1.48	$1.94		
	j	Silver Zinc		lb	Recycle	$1.34	$1.81		
	k	Magnesium		lb	Recycle	$1.68	$2.14		
Block 5		Photographic Liquids							
	a	Photographic Fixers		gal	Recycle	$3.78	$5.13		
	b	Photographic Developer		gal	Recycle	$3.78	$5.13		
	c	Mixed Fixer/Developer		gal	Recycle	$3.78	$5.13		
Block 6		Paint Wastes							
	a	Consolidated liquid paint flammable	full drum of liquid flammable paint	lb	Recycle	$0.30	$0.76		
	b	Consolidated liquid paint latex	full drum of liquid water base paint	lb	Recycle	$0.48	$0.95		
	c	Labpacked flammable paints	includes pourable and non-pourable	lb	Recycle	$0.55	$1.01		
	d	Labpacked latex paint	includes pourable and non-pourable	lb	Recycle	$0.61	$1.08		
	e	Regulated Metal Based Paint Liquids	paints with RCRA metals, i.e. lead, chromium	lb	Incinerate	$0.98	$1.43		

BID PRICE MATRIX
ATTACHMENT 1
UC RFP #083/OP/055

OPTIONAL SECTION

BLOCK	Sub	Category	Descriptions	UOM	Preferred Disposal Method	BIDDER RESPONSE SECTION Pricing T & D	Full Service		
	f	Regulated Metal Based Paint Solids	paints with RCRA metals, i.e. lead, chromium	lb	Landfill	$0.46	$0.92		
Block 7		Electronic Components							
	a	CRT's (Cathode Ray Tubes)		lb	Recycle	$0.35	$0.81		
	b	CPU's (Computer Processing Units)		lb	Recycle	$0.47	$0.95		
	c	Universal Waste - Electronic Devices (UWED)		lb	Recycle	$0.47	$0.95		
Block 8		Asbestos							
	a	Friable for Landfill	Hazwaste landfill	lb	Landfill	$0.25	$0.71		
	b	Non-Friable for Landfill	Municipal landfill	lb	Landfill	$0.16	$0.63		
Block 9									
Block 10		PCB Lamp Ballasts		lb	Recycle/Incinerate	$0.71	$1.18		
Block 11		PCB Oils and Equipment		lb	Recycle/Incinerate	$0.58	$1.03		
Block 12		LPG	Propane gas		Incinerate				
	a	1 pound		ea	Incinerate	$18.38	$27.31		
	b	5 pound		ea	Incinerate	$18.38	$27.31		
		LPG	Mixed Propane/Butane		Incinerate				
	a	1pound		ea	Incinerate	$27.31	$32.57		
	b	5 pound		ea	Incinerate	$27.31	$32.57		
Block 13		Recyclable Metals				0.00	0.00		
	a		Antimony	lb	Recycle	$0.27	$0.72		
	b		Arsenic	lb	Recycle	$0.27	$0.72		
	c		Barium	lb	Recycle	$0.27	$0.72		
	d		Beryllium	lb	Recycle	$0.27	$0.72		
	e		Cadmium	lb	Recycle	$0.27	$0.72		
	f		Chromium	lb	Recycle	$0.27	$0.72		
	g		Lead	lb	Recycle	$0.27	$0.72		
	h		Mercury	lb	Recycle	$0.27	$0.72		
	i		Nickel	lb	Recycle	$0.27	$0.72		
	j		Selenium	lb	Recycle	$0.27	$0.72		
	k		Silver	lb	Recycle	$0.27	$0.72		
	l		Thallium	lb	Recycle	$0.27	$0.72		
	m		Vanadium	lb	Recycle	$0.27	$0.72		
	n		Zinc	lb	Recycle	$0.27	$0.72		
Block 14		DRUMS & PACKAGING MATERIALS							
	a	85 gallon Steel Overpack		ea		$146.03	$146.03		
	b	85 gallon Poly Overpack		ea		$146.03	$146.03		
	c	55 gallon Steel Open Top		ea		$32.57	$32.57		
	d	55 gallon Steel Bung Top		ea		$32.57	$32.57		
	e	55 gallon Poly Open Top		ea		$32.57	$32.57		
	f	55 gallon Poly Bung Top		ea		$32.57	$32.57		
	g	55 gallon Fiber Drums		ea		$32.57	$32.57		

BID PRICE MATRIX
ATTACHMENT 1
UC RFP #083/OP/055

OPTIONAL SECTION

BLOCK	Sub	Category	Descriptions	UOM	Preferred Disposal Method	BIDDER RESPONSE SECTION Pricing T & D	Full Service		
	h	30 gallon Steel Open Top		ea		$32.57	$32.57		
	i	30 gallon Steel Bung Top		ea		$32.57	$32.57		
	j	30 gallon Poly Open Top		ea		$32.57	$32.57		
	k	30 gallon Poly Bung Top		ea		$32.57	$32.57		
	l	30 gallon Fiber Drums		ea		$32.57	$32.57		
	n	20 gallon Poly Open Top		ea		$32.57	$32.57		
	m	20 gallon Poly Bung top		ea		$32.57	$32.57		
	o	20 gallon Fiber Drums		ea		$32.57	$32.57		
	p	20 gallon Steel Bung Top		ea		$32.57	$32.57		
	q	14 gallon Poly Open Top		ea		$22.06	$22.06		
	r	10 gallon Fiber Drums		ea		$22.06	$22.06		
	s	10 gallon Steel		ea		$22.06	$22.06		
	t	5 gallon Steel Open Top		ea		$10.51	$10.51		
	u	5 gallon Fiber Drums		ea		$10.51	$10.51		
	v	5 gallon Poly w/screw tops		ea		$10.51	$10.51		
	w	Vermiculite (3 Cubic Foot Bag)		ea		$10.51	$10.51		
	x	Superfine		ea		$10.51	$10.51		
	y	Floor Dry (25 lb Bag)		ea		$10.51	$10.51		
	z	Wooden Box (DOT 15A)		ea		$10.51	$10.51		
	aa	5 gallon 2U carboys		ea		$10.51	$10.51		
	bb	Drum Liners - 55 gallon		ea		$1.05	$1.05		

Support documents in response to Information Request Questions:

26. Prior to 1988, did Respondent always keep its waste streams that contained SOIs separate from its other waste streams?
    Response: Yes. SOIs were disposed as lab packs.

#26

NORTH STATE ENVIRONMENTAL

Chemical Waste Disposal • Trucking • Consulting

INVOICE
No 00187

(415) 588-2838 • P.O. BOX 5624 • 3612 CALLAN BLVD., SOUTH SAN FRANCISCO, CA 94080

Accounting Office
University of California,
San Francisco
San Francisco, CA 94143

DATE 01/14/85
P.O. NO. [illegible]

Date	Our Job No.	Manifest No.	Description	Gal.	Bbls.	Drums	Cu.Yd.	Rate	Amount
/14/84		83030869				19			
/02/85		84458401				17			
			Monthly service for December 1984 to provide consolidation, separation, packaging, labeling, transportation and final disposal of chemical waste from [illegible] Parnassus Facility						
			First 16 Drums					1700.00	1700.00
			Drums over sixty [illegible]						
			Lab Packs			7		[illegible]	[illegible]
			Solid [illegible]			12		[illegible]	[illegible]
			[illegible]						

P/P # 140.000 $ 3718.00 TAG # 16 Rudy F.
JOB # 140.000 $ 3718.00 WHO
JOB # $ WHO
JOB # $ WHO
INVOICE # 1874
PROCESSOR:
DATE: 3-13-85
SIGNATURE: 3/7/85

10%

OK to pay
[illegible]

SUB TOTAL $ [illegible]

CALIFORNIA STATE HEALTH FEE

Tons @ $

TOTAL $ [illegible]

Accounts due and payable 30 days from receipt of invoice.
Delinquent accounts will be charged 1½% (18% per annum).

State of California—Health and Welfare Agency
HAZARDOUS WASTE MANAGEMENT BRANCH
744 P Street
Sacramento, CA 95814

GENERATOR COPY

UNIFORM HAZARDOUS WASTE MANIFEST
Return to Generator

Department of Health

Please print or type with ELITE type (12 characters per inch).

STATE ID NUMBER 83030869

TO BE FILLED IN BY GENERATOR

GENERATOR NAME AND MAILING ADDRESS (415)666-1300
UNIVERSITY of CALIFORNIA, SAN FRANCISCO
ENVIRONMENTAL HEALTH & SAFETY
AREA CODE/PHONE NUMBER SAN FRANCISCO, CA 94143

MANIFEST DOCUMENT NUMBER

EPA ID NUMBER CAD0465/6415

TRANSPORTER NO. 1 (415)588-2838
NORTH STATE ENVIRONMENTAL
P.O. BOX 5624
SOUTH SAN FRANCISCO, CA 94080

VEH./CONTAINER NO. 55167

EPA ID NUMBER CAD000603

TRANSPORTER NO. 2/ALTERNATE TSD FACILITY

VEH./CONTAINER NO.

EPA ID NUMBER

TREATMENT, STORAGE, OR DISPOSAL (TSD) FACILITY (805)937-8449
CASMALIA RESOURCES
N.T.U ROAD
AREA CODE/PHONE NUMBER CASMALIA, CA 93429

EPA ID NUMBER CAD020748

PROPER U.S. D.O.T. SHIPPING NAME AND HAZARD CLASS	UN/NA NUMBER	TOTAL QUANTITY	UNIT WT/VOL	CONTAINER NO.	CONTAINER TYPE	WAST CAT N
(1) FLAMMABLE LIQUID NOS	UN1993	4400	P	011	DM	55
(2) HAZARDOUS WASTE ORME	UN9189	1400	P	007	DF	55

COMPONENTS	CONC. RANGE UPPER	CONC. RANGE LOWER	UNI %
(1) DRUMS 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11			
(2) DRUMS 12, 13, 14, 15, 16, 17, 18			
LABORATORY CHEMICALS SEE ATTACHED LIST			

SPECIAL HANDLING INSTRUCTIONS

EX. HAZ. PERMIT 2-5314

This is to certify that the above-named wastes are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable requirements of the Department of Transportation and the EPA.

ARTURO F. DE LEON [signature]
Printed or typed full name and signature

MO. 12 DAY 14

☒ Check if continuation sheet is used. Number of continuation sheets

TO BE FILLED IN BY TRANSPORTER

TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE WASTES
FRANK R BALISTRERI [signature]
Printed or typed full name and signature

DATE REC'D & ACCEPTED MO. 12 DAY 14

TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE WASTES
Printed or typed full name and signature

DATE REC'D & ACCEPTED MO. DAY

TO BE FILLED IN BY TSDF

DISCREPANCY INDICATION SPACE

Facility owner or operator: Certification of receipt of hazardous waste covered by this manifest except as noted in the discrepancy indication space above. Note: TSDF must complete waste number. See instructions.

CASMALIA RESOURCES #35880-8,120 lbs.
Alice Griest [signature]
Printed or typed full name and signature

EPA ID NUMBER CAD020748125

DATE RECEIVED & ACCEP MO. 12 DAY 28

TSDF SENDS THIS COPY TO GENERATOR WITHIN 15 DAYS

...th and Welfare Agency

...Department of Health Serv

UNIFORM HAZARDOUS WASTE MANIFEST

(Please print or type with ELITE type (12 characters per inch).

STATE ID NUMBER 83030869

CONTINUATION SHEET 1

UNIVERSITY of CALIFORNIA, SAN FRANCISCO

THIS IS CONTINUATION SHEET 1 OF 1.

MANIFEST DOCUMENT NUMBER

EPA ID NUMBER CAD04651641 5

TRANSPORTER NO.

NORTH STATE ENVIRONMENTAL

EPA ID NUMBER CAD010101603 73

TRANSPORTER NO.

EPA ID NUMBER

TO BE FILLED IN BY THE GENERATOR

PROPER U.S. D.O.T. SHIPPING NAME AND HAZARD CLASS	UN/NA NUMBER	TOTAL QUANTITY	UNIT WT/VOL	CONTAINER NO.	CONTAINER TYPE	WASTE CAT. NO
(3) CORROSIVE LIQUID NOS	UN1760	1400	P	001	DM	551

COMPONENTS	CONC. RANGE UPPER	CONC. RANGE LOWER	UNITS %	UNITS ppm
(3) DRUM 19				
LABORATORY CHEMICALS				
SEE ATTACHED LIST				

TO BE FILLED IN BY TRANSPORTER

TRANSPORTER ACKNOWLEDGEMENT OF RECEIPT OF ABOVE MATERIALS — DATE REC'D & ACCEPT

FRANK R. BALISTRERI, Frank R Balistreri

PRINTED OR TYPED FULL NAME AND SIGNATURE — MO. 12 DAY 14 YR 86

TRANSPORTER ACKNOWLEDGEMENT OF RECEIPT OF ABOVE MATERIALS — DATE REC'D & ACCEPT

PRINTED OR TYPED FULL NAME AND SIGNATURE — MO. DAY YR

STATE ID NUMBER

DHS 8022 (6/82) (b)

University of California,San Francisco
Manifest 83030869
December 14,1984

Drums 1,2,3,4,5,6,7,Flammable Liquid NOS

18 x 1 gallon mixed organic solvents including acetonitrile,methyl alcohol, xylene,chloroform,vacuum pump oil,water.

Drum 8,Flammable Liquid NOS

3 x 1 pint terpino
15 x 1 gallon mixed organic solvents
6 x 1 pint hexane
1 pint ethylene chloride

Drum 9,Flammable Liquid NOS

11 x 1 gallon mixed organic solvents
7 x 1 gallon ethidium bromide waste in water

Drum 10,Flammable Liquid NOS

18 x 1 gallon mixed organic solvents

Drum 11,Flammable Liquid NOS

3 x 2.5 gallon Kodac Fixer
1 pound pyrogallic acid
1 pound ammonium acetate
1 liter gluteraldehyde
3 x 100 grams 2,6,10,14-tetramethyl pentadecane
3 x 1 pint dimethyl sulfide
4 x 1 gallon mixed organic solvents

Drums 12,13,14,15,16,17,18,Hazardous Waste ORME

Each drum 7 cubic feet laboratory debree and glassware contaminated with potential carcinogens and mutagens such as ethidium bromide,acrylamide, diamino benzidine,formaldehyde etc.

University of California,San Francisco
Manifest 83030869
December 14,1984
Page 2 Lists

Drum 19,Corrosive Liquid NOS

3 x 1 pint sulfuric acid
1 pint phosphoric acid
1 pint hydrochloric acid
16 x 1 gallon chromic sulfuric acid cleaning solution.

GENERATOR COPY

Department of Health Servi
Toxic Substances Control Divisi
Sacramento, Califor

Please print or type. (Form designed for use ite (12-pitch) typewriter.) Return To Genera

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD046516415 — Manifest Document No.

2. Page 1 of

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

3. Generator's Name and Mailing Address
UNIVERSITY OF CALIFORNIA SAN FRANCISCO
ENVIRONMENTAL HEALTH & SAFETY
SAN FRANCISCO CA 94143

A. State Manifest Document Number 84458401

B. State Generator's ID CAD046516415

4. Generator's Phone (415) 666-1300

5. Transporter 1 Company Name NORTH STATE ENVIRONMENTAL — 6. US EPA ID Number CAD000603738

C. State Transporter's ID 53167

D. Transporter's Phone (415) 5[illegible]-283[illegible]

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
CASMALIA RESOURCES
N.T.U. ROAD
CASMALIA, CA 93429 — 10. US EPA ID Number CAD020748125

G. State Facility's ID CAD020748125

H. Facility's Phone (805) 937-8449

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. FLAMABLE LIQUID NOS 1993	6	DM	2400	P	551
b. HAZARDOUS WASTE ORME 9189	5	DF	1000	P	551
c. ASBESTOS WASTE ORME 9189	5	DF	1000	P	551
d. HAZARDOUS WASTE ORME 9189	1	DM	200	P	551

J. Additional Descriptions for Materials Listed Above
ITEM A. MIXED ORGANIC SOLVENTS INCLUDING ACETONITRILE, METHYL ALCOHOL XYLENE
ITEM B. LABORATORY DRY WASTE

K. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional Information
EXT. HAZ. WASTE PERMIT 2-5394
ITEM D. 2X1 PINT 1% TRINITROPHENOL DISOLVED IN WATER

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 governmental regulations.

Printed/Typed Name: Arthur R. Reich — Signature: Arthur R. Reich — Date: Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: FRANK LALITRERI — Signature: Frank R Balistrieri — Date: Month Day Year 0 1 0 2 8[illegible]

18. Transporter 2 Acknowledgement or Receipt of Materials

Printed/Typed Name — Signature — Date: Month Day Year

FACILITY

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.
#36882

Printed/Typed Name: Casmalia Resources — Signature: Alice Griest — Date: Month Day Year 0 1 0 1 8 5

DHS 8022 A (7/84)
(EPA 8700-22)

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

84 8064

#26

N7854

NORTH STATE ENVIRONMENTAL

Chemical Waste Disposal • Trucking • Consulting

INVOICE
№ 001883

(415) 588-2838 • P.O. BOX 5624 • 3612 CALLAN BLVD., SOUTH SAN FRANCISCO, CA 94080

Accounting Office
University of California,
San Francisco
San Francisco, CA 94143

DATE 1/31/85
P.O. NO. 3-5351238

Date	Our Job No.	Manifest No.	Description	Gal.	Bbls.	Drums	Cu.Yd.	Rate	Amount
[illegible]		84454443				23			

Monthly service for January 1985 to provide consolidation, separation, packaging, labeling, transportation and final disposal of chemical waste from incinerator building, Parnassus Facility.

First 15 Drums			1700.00	1700.00
Drums over sixte[illegible]				
Lab Packs			[illegible].00	[illegible]
Solid [illegible]			[illegible].00	[illegible]
[illegible]				[illegible]

P/P # 160.000 TAG # 17
JOB # 160.000 $ 2416.00 WHO [illegible]
JOB # $ WHO
JOB # $ WHO
INVOICE # 1883
PROFESSOR: [illegible]
DATE: 4-12-85 4/15/85
SIGNATURE: [illegible]

10%

SUB TOTAL $ [illegible]

CALIFORNIA STATE HEALTH FEE

Tons @ $

TOTAL $ [illegible]

Accounts due and payable 30 days from receipt of invoice.
Delinquent accounts will be charged 1½% (18% per annum).

State of California—Health and Welfare Agency

GENERATOR COPY

Department of Health Serv
Toxic Substances Control Divi
Sacramento, Califo

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

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD 0 Return to Generator 6 4 1 5 — Manifest Document No.

2. Page 1 of

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

3. Generator's Name and Mailing Address
University of California,San Francisco(Environmental Health
Parnassus Avenue
San Francisco,CA 94107

4. Generator's Phone (415) 666-1300

A. State Manifest Document Number 84454443

B. State Generator's ID CAD046516415

5. Transporter 1 Company Name North State Environmental — 6. US EPA ID Number C A D 0 0 6 0 3 7 3 8

C. State Transporter's ID

D. Transporter's Phone (415)588-2838

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
Casmalia Resources
NTU Road
Casmalia,CA 93429

10. US EPA ID Number C A D 0 2 0 7 4 8 1 2 5

G. State Facility's ID CAD020748125

H. Facility's Phone (805)937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Flammable liquid,Poisonous NOS,UN1992	13	DM	4800	P	551
b. Hazardous Waste ORME,NA9189	10	DF	1500	P	551
c.					
d.					

J. Additional Descriptions for Materials Listed Above
See attached list of chemical components and drum types for disposal site usage.Item A are lab packs Item B are solid waste.Ext.Haz.Waste Permit 2-5314

K. Handling Codes for Wastes Listed Above
05

15. Special Handling Instructions and Additional Information

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 governmental regulations.

Printed/Typed Name: R. McGuire — Signature: Richard McGuire — Date: Month 1 Day 25 Year 8

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: FRANK R BALISTRERI — Signature: Frank R Balistreri — Date: Month 1 Day 25 Year 8

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Date: 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. #3527

Printed/Typed Name: Casmalia Resources — Signature: Alice Geiest Alice Geiest — Date: Month 01 Day 31 Year 8

GENERATOR / TRANSPORTER / FACILITY

DHS 8022 A (7/84)
(EPA 8700-22)

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

University of California
San Francisco
Parnassus Facility
Manifest 84454443
January 25.1985

Drum 1,Flammable Liquid

18 x 1 gallon mixed organic solvents

Drum 2,Flammable Liquid

4 x 1 quart blood discard
12 x 1 gallon mixed organic solvents
1 pint formaldehyde solution
1 quart propylene oxide
1 quart epichlorhydrin
1 quart triethylamine
1 killogram 2-ethoxy ethanol
500 grams caprylic acid
1 pint dimethyl sulfoxide
3 x 1 quart phenol
1 pint xylene

Drum 3,Flammable Liquid

12 x 1 gallon mixed organic solvents
3 x 1 pint toluene
3 x 1 pint phenol
1 quart chloroform
1 killogram 2-methyl-2,4 pentanediol
2 x 1 quart petroleum ether
1 pint butyl alcohol
1 pint xylene
1 pint isopropyl alcohol
1 pint hexane

Drums 4,5,6,7,8,9,10,11,flammable Liquid

Each drum
18 x 1 gallon mixed organic solvents

Drum 12,Flammable Liquid

2 x 1 pint diethyl ether
17 x 1 gallon mixed organic solvents

Drum 13,Flammable Liquid

17 x 1 gallon mixed organic solvents
1 pint carbon tetrachloride
1 gallon ethidium bromide waste

Drums 14 through 23 inclusive,dry waste

Each drum
7 cubic feet dry waste comtaminated with ethidium bromide,formaldehyde, acrylamide,diaminobenzidine,etc.

#26

NORTH STATE ENVIRONMENTAL

Chemical Waste Disposal • Trucking • Consulting

INVOICE
NE 001905

(415) 588-2838 • P.O. BOX 5624 • 3612 CALLAN BLVD., SOUTH SAN FRANCISCO, CA 94080

Accounting Office
University of California,
San Francisco
San Francisco, CA 94143

DATE 3/14/85
P.O. NO. [illegible]

Date	Our Job No.	Manifest No.	Description	Gal.	Bbls.	Drums	Cu.Yd.	Rate	Amount
3/14/85		84454455				14			
3/04/85		84454467				12			

Monthly service for February 1985 to provide consolidation, separation, packaging, labeling, transportation and final disposal of chemical waste from incinerator building, Parnassus Facility.

First 10 Drums	P/P #	TAG # 18		1700.00	1700.00
	JOB # 160.000	$2908.00	Rudy F.		
Drums over sixteen	JOB #	$			
Lab Packs		$		134.00	[illegible]
Solid Waste		$		[illegible]	[illegible]
	INVOICE # 1905				
[illegible]			10%		
	DATE: 5-8-85				
	SIGNATURE:				[illegible]

6/10 to pay

SUB TOTAL $

CALIFORNIA STATE HEALTH FEE

Tons @ $

TOTAL $

Accounts due and payable 30 days from receipt of invoice.
Delinquent accounts will be charged 1½% (18% per annum).

State of California—Health and Welfare Agency

Department of Health Ser
Toxic Substances Control Div
Sacramento, Califc

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

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD046516415 — Manifest Document No.

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

3. Generator's Name and Mailing Address
University of California, San Francisco, CA94107
Environmental Health and Safety
~~Berkeley, CA 94720~~ SAN FRANCISCO, CA 94107

4. Generator's Phone (415) 666-1300

A. State Manifest Document Number: 84454455

B. State Generator's ID: CAD046516415

5. Transporter 1 Company Name: North State Environmental — 6. US EPA ID Number: CAD000603738

C. State Transporter's ID

D. Transporter's Phone: (415) 588-283

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
Casmalia Resources
NTU Road
Casmalia, CA 93429

10. US EPA ID Number: CAD020748125

G. State Facility's ID: CAD020748125

H. Facility's Phone: (805) 937-8449

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. FLAMMABLE LIQUID NOS UN1993	10	DM	3600	P	551
b. HAZARDOUS WASTE ORME NA9189	4	DF	800	P	551
c.					
d.					

J. Additional Descriptions for Materials Listed Above
ITEM: A MIXED ORGANIC SOLVENTS INCLUDING XYLENE, ACETONITRILE, METHYL ALCOHOL, CHLOROFORM, HEXANE

K. Handling Codes for Wastes Listed Above: 03

15. Special Handling Instructions and Additional Information
ITEM: B DRY WASTE LABORATORY DEBREE WITH ETHIDIUM BROMIDE, ACRYLAMIDE, FORMALDEHYDE

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 governmental regulations.

Printed/Typed Name: Rich McGuire — Signature: Richard McGuire — Date (Month Day Ye): 02 14 8

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: FRANK R BALISTRER. — Signature: Frank R Balistrer — Date (Month Day Ye): 2 1 48

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Date (Month Day Ye)

FACILITY

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. A41007

Printed/Typed Name: CASMALIA Resources — Signature: Alice Priest — Date (Month Day Ye): 02 20 8

DHS 8022 A (7/84)
(EPA 8700-22)

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

84 80

State of California—Health and Welfare Agency

GENERATOR COPY

Department of Health Services
Toxic Substances Control Division
Sacramento, California

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

Return to Generator

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD046516415
Manifest Document No.
2. Page 1 of
Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address
University of California, San Francisco
Environmental Health and Safety
San Francisconc, CA 94143
4. Generator's Phone (415) 666-1300

A. State Manifest Document Number 84464467
B. State Generator's ID CAD046516415

5. Transporter 1 Company Name: North State Environmental
6. US EPA ID Number: CAD000603738
C. State Transporter's ID 55167
D. Transporter's Phone (415) 588-283

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
Casmalia Resources
NTU Road
Casmalia, CA 93429
10. US EPA ID Number: CAD020748125
G. State Facility's ID CAD020748125
H. Facility's Phone (805) 937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Flammable Liquid NOS, UN1993	8	DM	320	P	551
b. Hazardous Waste ORME, Na9189	4	DF	80	P	551
c.					
d.					

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above
05

15. Special Handling Instructions and Additional Information
Item A Lab Packs mixed organic solvents including xylene, toluene, acetonitrile, methyl al
chloroform, hexane, vacuum, pump oil, water.
Item B Dry Waste Laboratory Debres with ethidium bromide, acrylamide, formaldehyde, diamino
benzidine.

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 governmental regulations.

Printed/Typed Name: Arthur Reich
Signature: Arthur R. Reich
Date: Month 3 Day 4 Year 8

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: FRANK R BALISTRERI
Signature: Frank R. Balistreri
Date: Month 03 Day 04 Year 8

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: 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. # 42287
Printed/Typed Name: Casmalia Resources
Signature: Alice Linist
Date: Month 03 Day 08 Year 8

DHS 8022 A (7/84)
(EPA 8700-22)

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

#28

N 7854

NORTH STATE ENVIRONMENTAL

Chemical Waste Disposal • Trucking • Consulting

INVOICE

№ 00191

(415) 588-2838 • P.O. BOX 5624 • 3612 CALLAN BLVD., SOUTH SAN FRANCISCO, CA 94080

Accounting Office
University of California,
San Francisco
San Francisco, CA 94143

DATE 3/29/85
P.O. NO. 3-53612GB

Date	Our Job No.	Manifest No.	Description	Gal.	Bbls.	Drums	Cu.Yd.	Rate	Amount
3/18/85		84454473				35			

1985 APR -4 AM 9:29

Monthly service for December 1984 to provide consolidation, separation, packaging, labeling, transportation and final disposal of chemical waste from incinerator building, Parnassus Facility.

First 16 Drums		1,956.80	1,956.80
Drums over sixteen			
Solid Waste	19	96.95	2,160.00

All governmental hazardous waste taxes included

SUB TOTAL $ 3,798.85

CALIFORNIA STATE HEALTH FEE

_____ Tons @ _____ $ _____

TOTAL $ 3,798.85

Accounts due and payable 30 days from receipt of invoice.
Delinquent accounts will be charged 1½% (18% per annum).

Type Entry UNIVERSITY OF CALIFORNIA, SAN FRANCISCO
ACCOUNTS PAYABLE CODING FORM To:

160.000 3798.85 # 19 Rm Oy F.

1913

5-13-85

NORTH STATE ENVIRONMENTAL

Chemical Waste Disposal • Trucking • Consulting

INVOICE

N2 001936

(415) 588-2838 • P.O. BOX 5624 • 3612 CALLAN BLVD., SOUTH SAN FRANCISCO, CA 94080

Acccounting Office
University of California,
San Francisco
San Francisco, CA 94143

DATE 5/08/85

P.O. NO. 3-53612GB

Date	Our Job No.	Manifest No.	Description	Gal.	Bbls.	Drums	Cu.Yd.	Rate	Amount
4/18/85		84454487				37			
4/28/85		84454497				13			
			Monthly service for April 1985 to provide consolidation, separation, packaging, labeling, transporation and final disposal of chemical waste from incinerator building, Parnassus Facility						
								1,956.80	1,956.80
								[illegible]	1,787.76
								[illegible]	[illegible]
									[illegible]

TAG # 20 Rudy F.

JOB # 160.000 $ 5876.85

JOB # First 10 drums $

Drums over $ WHO

INVOICE # 1934

Cap Packs 10%

PROCESSOR: [illegible]

DATE: 6-4-85

SIGNATURE: [illegible] waste taxes included.

5/21/85

OK to pay

[illegible]

SUB TOTAL $ [illegible]

CALIFORNIA STATE HEALTH FEE

_____ Tons @ _____ $ _____

TOTAL $ [illegible]

Accounts due and payable 30 days from receipt of invoice.
Delinquent accounts will be charged 1½% (18% per annum).

State of California—Health and Welfare Agency

Department of Health Servi
Toxic Substances Control Divisi
Sacramento, Califor

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

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD046516415
Manifest Document No.:
2. Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
University of California, San Francisco
Envionmental Health and Safety
San Francisco, CA 94143

4. Generator's Phone (415) 666-1300

A. State Manifest Document Number: 84454497
B. State Generator's ID: CAD046516415

5. Transporter 1 Company Name: North State Environmental
6. US EPA ID Number: CAD000603738
C. State Transporter's ID:
D. Transporter's Phone: (415) 588-2838

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
Chemical Waste Management, Inc.
35251 Old Skyline Road
Kettleman City, CA 93237

10. US EPA ID Number: CAT000646117
G. State Facility's ID: CAT000646117
H. Facility's Phone: (209) 386-9711

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Flammable Liquid NOS, UN1993	9	DM	[illegible]	P	551
b. Hazardous Waste ORM-E, NA9189	4		[illegible]	P	551
c.					
d.					

J. Additional Descriptions for Materials Listed Above
Item A: Profile SFO-E79051-050; lab packs containing 16 x 1 gallon mixed organic solvents including acetonitrile, methyl alcohol, xylene, toluene, vacuum pump oil, benzene, chloroform, water, carbon tetrachloride.

K. Handling Codes for Wastes Listed Above
a - 03
b - 03

15. Special Handling Instructions and Additional Information
Item B: Profile SFO-E79052-050; laboratory debree, glass, cloth, paper contaminated with potential mutagens and carcinogens including acrylamide, formaldehyde, ethidium bromide, diamino benzidine.

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 governmental regulations.

Printed/Typed Name: [illegible] B. LUISTRO
Signature: [signature]
Date: Month 4 Day 24 Year [illegible]

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: [illegible]
Signature: [signature]
Date: Month 4 Day 2 Year [illegible]

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

19. Discrepancy Indication Space
2 - NO Entry
line a #12 - 11 dm received
line b #12 - 2 dm received
17 & 18 → Took over 72 hours to transport to facility

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

Printed/Typed Name: Judy Crawford LT
Signature: Judy Crawford
Date: Month 05 Day 06 Year 85

Green: HAULER RETAINS

DHS 8022 A (7/84)
(EPA 8700-22)

State of California—Health and Welfare Agency

Department of Health Service
Toxic Substances Control Divisio
Sacramento, Californi

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

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD046516415 — Manifest Document No.:

2. Page 1 of

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

3. Generator's Name and Mailing Address
University of California, San Francisco
Environmental Health and Safety
San Francisco, CA 94143

4. Generator's Phone (415) 666-1300

A. State Manifest Document Number: 84454487

B. State Generator's ID: CAD046516415

5. Transporter 1 Company Name: North State Environmental

6. US EPA ID Number: CAD000603738

C. State Transporter's ID: 67-67

D. Transporter's Phone: (415) 588-2838

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
Chemical Waste Management, Inc.
35251 Old Skyline Road
Kettleman City, CA 93237

10. US EPA ID Number: CAT000646117

G. State Facility's ID: CAT000646117

H. Facility's Phone: (209) 386-9711

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Flammable Liquid NOS, UN1993	14	DM	64.00	P	551
b. Hazardous Waste ORM-E, NA9189	23	DF	23.00	P	551
c.					
d.					

J. Additional Descriptions for Materials Listed Above
Item A: Profile SFO-E79051-050; lab packs containing 16 x 1 gallon mixed organic solvents including acetonitrile, methyl alcohol, xylene, toluene, vacuum pump oil, benzene, chloroform, water, carbon tetrachloride.

K. Handling Codes for Wastes Listed Above
2-03
2-03

15. Special Handling Instructions and Additional Information
Item B: Profile SFO-E79052-050; laboratory debree, glass, cloth, paper contaminated with potential mutagens and carcinogens including acrylamide, formaldehyde, ethidium bromide, diamino benzidine.

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 governmental regulations.

Printed/Typed Name: LAMBERTO E. LUISTRO — Signature: [signature] — Date: Month 4 Day 18 Year 85

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: FRANK R. BALISTRECI — Signature: [signature] — Date: Month 4 Day 18 Year 85

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

19. Discrepancy Indication Space
1. Improper U.S. DOT Description
2 - No Entry

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

Printed/Typed Name: Judy Crawford LT — Signature: [signature] — Date: Month 04 Day 19 Year 85

Green: HAULER RETAINS

DHS 8022 A (7/84)
EPA 8700-22)

84 88541

#26

N-1854

NORTH STATE ENVIRONMENTAL

Chemical Waste Disposal • Trucking • Consulting

INVOICE

№ 001968

(415) 588-2838 • P.O. BOX 5624 • 3612 CALLAN BLVD., SOUTH SAN FRANCISCO, CA 94080

Acccounting Office
University of California,
San Francisco
San Francisco, CA 94143

DATE 6/04/85

P.O. NO. 3-53612GB

Date	Our Job No.	Manifest No.	Description	Gal.	Bbls.	Drums	Cu.Yd.	Rate	Amount
5/03/85		84454507				11			
5/28/85		84454530				14			
6/3/85		84454536				13			
			Monthly service for May 1985 to provide consolidation, separation, packaging, labeling, transportation and final disposal of chemical waste from incinerator building, Parnassus Facility.						
			First 16 Drums						1,956.90
			Drums over sixteen						
			Lab Packs			7		10%[illegible]	1,042.86
			Solid			[illegible]			1,[illegible]4.25
									4,453.91

760.000 4,453.91 Rudy F.

1968

DATE: 6-27-85

SIGNA.

SUB TOTAL $

OK & pay

CALIFORNIA STATE HEALTH FEE

Tons @ $

TOTAL $ 4,[illegible]

Accounts due and payable 30 days from receipt of invoice.
Delinquent accounts will be charged 1½% (18% per annum).

#21

SAFETY SPECIALISTS INCORPORATED

NOT AN
INVOICE

№ I-1521

3284 F EDWARD AVENUE • SANTA CLARA, CALIFORNIA 95050 • TELEPHONE (408) 988-1111

University of California,
San Francisco
Accounting Office
Parnassus Avenue
San Francisco, CA 94143

Date April 2, 1980

Customer Order No. 775-878G

SSI No. 00751

Terms: Due & Payable Upon Receipt

ATERIALS

E FOLLOWING ITEM WERE DELIVERED ON 2/21/80

ITEM	Specification	QTY	PRICE EA.	TOTAL
al. drum	DOT-17E			
al. drum	DOT-17H	2	$22.60	$ 45.20
al. drum	DOT-17H			
al. drum	DOT-17E			
al. Carboy	DOT-34-5			
oden box	DOT-15A25			
oden box	DOT-15A65			
SORBENT - Vermiculite		6	5.80	34.80
gal fiberdrum		3	5.00	15.00

ITEM	Specification	QTY	PRICE EA.	TOTAL
Fiberboard box	DOT-12A50			
Fiberboard box	DOT-12A80	5	$ 5.00	$ 25.00
1 pt. Polystyrene cs.	DOT-33A			
1 qt. Polystyrene cs.	DOT-33A			
5 pt. Polystyrene cs.	DOT-33A			
4x5 Polystyrene cs.	DOT-33A			
TAXABLE TOTAL				120.00
Sales Tax				7.80
Delivery Charge				
MATERIALS TOTAL				$127.80

CHEMICAL WASTE DISPOSAL

E FOLLOWING ITEMS WERE PICKED UP ON 2/21/80

TY		PRICE EA.	TOTAL
0	Cubic ft.	$ 5.45	$ 54.50
9	5 Gal.	9.61	182.59
2	30 Gal.	28.25	56.50
5	55 Gal.	40.65	203.25
2	40- Gal.	28.25	56.50
		Less 10%	-55.33
		DISPOSAL TOTAL	$498.01

CHEMICAL PACKAGING

PACKAGING DATE 2/21/80

7.0	HOURS @	$22.50	PER HOUR	$157.50
7.0	HOURS @	22.50	PER HOUR	157.50
96	MILES @	0.35	PER MILE	33.60
OTHER CHARGES (See Attachment)				
CONSULTATION				
			PACKAGING TOTAL	$348.60

INVOICE TOTAL $974.41

J. S. Harris
Signature of Producer or Authorized Agent

PhD
TITLE

2/21/80
DATE

STATE WATER RE[illegible]ICES CONTROL BOARD
STATE DEPARTMENT OF HEALTH

See Disposal Site Tag #_____

PRODUCER OF WASTE (Must be filled by producer)

Name (print or type): Univ. of Calif. - San Francisco — Code No.

Pick up Address: 501 Parnassus Ave., San Francisco, CA 94143 (Number) (Street) (City)

Telephone Number: (415 666-1794 P.O. or Contract No.: 775-8780

Order Placed By: Arturo De Leon Date: 2/20/80

Type of Process which Produced Wastes: Laboratory Research — Code No.
(Examples: metal plating, equipment cleaning, oil drilling, wastewater treatment, pickling bath, petroleum refining)

DESCRIPTION OF WASTE (Must be filled by producer)

Check type of wastes:

1. [X] Acid solution
2. [ ] Alkaline solution
3. [ ] Pesticides
4. [ ] Paint sludge
5. [X] Solvent
6. [ ] Tetraethyl lead sludge
7. [ ] Chemical toilet wastes
8. [ ] Tank bottom sediment
9. [ ] Oil
10. [ ] Drilling mud
11. [ ] Contaminated soil and sand
12. [ ] Cannery waste
13. [ ] Latex waste
14. [ ] Mud and water
15. [ ] Brine

[X] Other (Specify) See attached sheet — Code No.

Components:
(Examples: Hydrochloric acid, lime, caustic soda, phenolics, solvents (list), metals (list), organics (list), cyanide)

	Concentration: Upper	Lower	ppm
1. See attached sheet			
2.			
3.			
4.			
5.			
6.			

Hazardous Properties of Waste:
pH _____ [ ] none [X] toxic [X] flammable [X] corrosive [ ] explosive

Bulk Volume: _____ [ ] gal [ ] tons [ ] barrels (42 gal) [ ] other (specify)

Containers: 33 (Number) [X] drums [X] cartons [ ] bags [X] other Cans (specify)

Physical State: [X] solid [X] liquid [ ] sludge [ ] other (specify)

Special Handling Instructions (if any): Wear gloves and safety glasses and keep away from heat and open flames.

The waste is described to the best of my ability and it was delivered to a licensed liquid waste hauler (if applicable).

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

L. E. Haniz
Signature of authorized agent and title

HAULER OF WASTE (Must be filled by hauler)

Name (print or type): SAFETY SPECIALISTS, INCORPORATED — Code No.

Business Address: 3284 F Edward Avenue, Santa Clara, CA 95050 (Number) (Street) (City)

Telephone Number: (408) 988 1111 Pick Up: 2/21/80 (Date) Time: ____ [ ] am [ ] pm

State Liquid Waste Hauler's Registration No. (if applicable): 150

State Hazardous Waste Hauler's Registration No. (if applicable): 150

Job No.: _____ No. of Loads or Trips: _____ Unit No.: _____

Vehicle: [ ] vacuum truck ____ barrels, [ ] flatbed, [X] other Van (specify)

The described waste was hauled by me to the disposal facility named below and was accepted.

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Ken Wilkins
Signature of authorized agent and title

DISPOSER OF WASTE (Must be filled by disposer)

Name (print or type): BCC Landfill — Code No.

Site Address: Foot of Parr Blvd., Richmond, CA

The hauler above delivered the described waste to this disposal facility and it was an acceptable material under the terms of RWQCB requirements, State Department of Health regulations, and local restrictions.

Quantity measured at site (if applicable): _____ State fee (if any): N/A

See Manifest Number _____

Handling Method(s):

[ ] recovery

[ ] treatment (specify): Cells A, B, C — Code No.
(Examples: incineration, neutralization, precipitation)

[X] disposal (specify): [ ] pond [X] spreading [ ] landfill [ ] injection well [ ] other (specify): Class 2 Site — Code No.

If waste is held for disposal elsewhere specify final location: _____

Disposal Date: _____

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Signature of authorized agent and title

The site operator shall submit a legible copy of each completed Record to the State Department of Health with monthly fee reports.

SAFETY SPECIALISTS, INCORPORATED
3284 F Edward Avenue, Santa Clara, CA 95050
Telephone (408) 988-1111

FOR INFORMATION RELATED TO SPILLS OR OTHER EMERGENCIES INVOLVING HAZARDOUS WASTE OR OTHER MATERIALS CALL (800) 424-9300.

See Attached Sheet #00751

DOT Proper Shipping Name

No. 751

DATA SHEET

versity of California, San Francisco
micals for Disposal - February, 1980

Attached Sheet #00751

allon drum UCSF-1

5 gal Acetone, Flammable Liquid, 40 lb

allon drums UCSF-2 through UCSF-14

x 5 gal Toluene, Flammable Liquid, 400 lb

gallon drum UCSF-15

15 gal Ether, Flammable Liquid, 80 lb
x 1 gal Acetonitrile (50%), Flammable Liquid, 80 lb
1 pt Ethylene glycol monomethyl ether, Combustible Liquid, 1 lb
1 pt Xylene, "Ltd. Qty.," Flammable Liquid, 1 lb
1 pt Araldite Epoxy Resin 502
1 pt Petroleum ether, "Ltd. Qty.," Flammable Liquid, 1 lb

gallon drum UCSF-16

15 gal Ether, Flammable Liquid, 40 lb
1 gal Acetonitrile (50%), Flammable Liquid, 80 lb
1 pt Ethylene glycol monomethyl ether, Combustible Liquid, 1 lb

gallon drum UCSF-17

5 gal Toluene, Flammable Liquid, 160 lb
1 gal Solvent, n.o.s. (Acetonitrile - Water - Methylene Chloride - Methanol mixture), Flammable Liquid, 50 lb

gallon drum UCSF-18

1 gal Solvent, n.o.s. (Acetonitrile - Water - Methylene Chloride - Methanol mixture), Flammable Liquid, 50 lb
1 gal Chloroform - Phenol mixture
125 mg Polycillin-N
1 g Trimethylprim
4 g Sulfamethoxazole
4 g Cleocin
1 g Sodium cefazolin
½ g Mycifradin sulfate
g Streptomycin sulfate
mg Dihydrostreptomycin
5 g Sodium sulfadiazine
4 g Acti-dione

Fiberbox UCSF-19

4 x 5 pt Acid liquid, n.o.s. (Sulfuric Acid - Chromerge mixture), Corrosive Material, 36 lb

Fiberbox UCSF-20

4 x 5 pt Acid liquid, n.o.s. (Sulfuric Acid - Chromerge mixture), Corrosive Material, 36 lb

Fiberbox UCSF-21

1 x 1 qt Sulfuric acid, Corrosive Material, 3 lb
1 x 5 pt Acid liquid, n.o.s. (Sulfuric Acid - Nochromix mixture), Corrosive Material, 9 lb
1 x ½ pt Acid liquid, n.o.s. (Sulfuric Acid - Dichromate Cleaning Solution), Corrosive Material, ½ lb

Fiberbox UCSF-22

3 x 5 pt Nitric acid, Oxidizer, 20 lb (packaged in an inside DOT-33A polystyrene case)

Fiberbox UCSF-23

1 x 50 g Poisonous Liquid, n.o.s. (Osmium tetroxide solution), "Ltd. Qty.," ¼ lb
2 x 1 pt Osmium dichromate solution
1 x 1 pt Silver nitrate solution
1 x 25 g p-Dimethylaminoazobenzene
1 x 25 g Benzidine dyhydrochloride

5-gallon drums UCSF-24 and UCSF-25

2 x 5 gal Ammonium hydroxide, Corrosive Material, 80 lb

40-gallon fiberdrum UCSF-26 contains dry lab waste (pipets, Kimwipes, petri plates, etc.) containing:

Trace amount: Mitomycin C
Methyl mercury hydroxide

P

SAFETY SPECIALISTS, inc.

DATA SHEET

-iversity of California, San Francisco
.micals for Disposal - February, 1980 (Continued)

Attached Sheet #00751

0-gallon fiberdrum UCSF-27

x 5 gal Ammonium hydroxide, Corrosive Material, 40 lb
x 5 gal Empty: Last contained Acetone

-gallon drum UCSF-28

x 5 gal Empty: Last contained Acetone

-gallon drums UCSF-29 and UCSF-30

x 5 gal Empty: Last contained Toluene

5-gallon drum UCSF-31

x 55 gal Chevron OC Turbine Oil 220 HAZ WASTE

)-gallon drums UCSF-32 and UCSF-33

x 30 gal Betz Entec 741

SEE REVERSE SIDES FOR INSTRUCTIONS. PLEASE TYPE OR PRINT CLEARLY.

PRESS HARD

CALIFORNIA HAZARDOUS WASTE MANIFEST

STATE DEPARTMENT OF HEALTH SERVICES
HAZARDOUS MATERIALS MANAGEMENT SECTION
744 P STREET, SACRAMENTO, CA 95814

① MANIFEST NUMBER 539 № 002642

GENERATOR (GENERATOR MUST COMPLETE)

② NAME UNIVERSITY of CALIFORNIA, SAN FRANCISCO
EPA NO. SMALL GENERATOR
ADDRESS PARNASSUS AVE.
CITY, STATE, ZIP CODE SAN FRANCISCO, CA 94143
PHONE NO. (415) 666-1300
ORDER PLACED BY ARTURO DELEON ORDER DATE 2/8/82
P.O./CONTRACT NO.

③ DESIGNATED TSD FACILITY
NAME CASMALIA DISPOSAL
EPA NO. CAD020748125
ADDRESS N.T.U. ROAD
CITY, STATE, ZIP CODE CASMALIA, CA 93429
PHONE NO. (805) 937-8449

④ ALTERNATE TSD FACILITY
(AUTHORIZED TO OPERATE UNDER AN APPROVED STATE OR FEDERAL PROGRAM)
NAME
EPA NO.
ADDRESS
CITY, STATE, ZIP CODE
PHONE NO.

⑤ U.S. DOT PROPER SHIPPING NAME	U.S. DOT HAZARD CLASS	UN/NA I.D. NO.	WEIGHT OR VOLUME	UNITS	CONTAINERS: NUMBER 7X55gal+18X5gal
WASTE HAZARDOUS WASTE	O.R.M.E		55	GALLONS	X DRUMS / BAGS / CARTONS / DUMP TRUCK
WASTE			5	GALLONS	TANK TRUCK / OTHER

⑥ WASTE CATEGORY 41
⑦ EX. HAZ. WASTE PERMIT NO. 2-2/82
⑧ GENERATING PROCESS HOSPITAL

⑨ LIST COMPONENTS:

		CONC. RANGE UPPER	CONC. RANGE LOWER	UNITS			CONC. RANGE UPPER	CONC. RANGE LOWER	UNITS
A	LABORATORY CHEMICALS			% PPM	E				% PPM
B				% PPM	F				% PPM
C	SEE ATTACHED LIST			% PPM	G				% PPM
D				% PPM					

NONHAZARDOUS MATERIAL %

⑩ WASTE PROPERTIES: PH ___ X TOXIC X FLAMMABLE X CORROSIVE/IRRITANT ☐ REACTIVE ☐ SENSITIZER ☐ CARCINOGEN/MUTAGEN

⑪ PHYSICAL STATE: ☐ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ GAS ☐ OTHER

⑫ SPECIAL HANDLING INSTRUCTIONS: X GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ OTHER

GENERATOR CERTIFICATION: THIS IS TO CERTIFY THAT THE ABOVE NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED & LABELED, AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION AND THE EPA.

IN THE EVENT OF A SPILL CONTACT THE NATIONAL RESPONSE CENTER, U. S. COAST GUARD 1-800-424-8802.

⑬ [signature] SIGNATURE OF AUTHORIZED AGENT & TITLE — 2/8/82 DATE SHIPPED

TRANSPORTER (HAULER MUST COMPLETE)

⑭ NAME NORTH STATE ENVIRONMENTAL
EPA NO. CAD000603738
ADDRESS 3612 Callan Blvd.
CITY, STATE, ZIP CODE South San Francisco, CA 94080
PHONE NO. (415) 558-2838

JOB NO.
UNIT NO. 1

⑮ PICK-UP DATE 2/8/82
TIME 8:00 X AM ☐ PM

⑯ Frank R Bahsher, President
SIGNATURE OF AUTHORIZED AGENT & TITLE

TSD FACILITY (OPERATOR MUST COMPLETE)

⑰ NAME
EPA NO.

⑱ QUANTITY (IF MEASURED)
⑲ STATE FEE (IF ANY) $

⑳ INDICATE ANY SIGNIFICANT DISCREPANCIES BETWEEN MANIFEST AND SHIPMENT

㉑ HANDLING OR DISPOSAL METHOD:
☐ SURFACE IMPOUNDMENT ☐ LANDFILL
☐ INJECTION WELL ☐ LAND TREATMENT
☐ TREATMENT (SPECIFY)
☐ RECOVERY OR REUSE ☐ STORAGE/TRANSFER

㉒ IF WASTE IS HELD FOR DELIVERY ELSEWHERE, SPECIFY THE DESIGNATED TSD FACILITY:
NAME
EPA NO.

㉓

REVISED 11/80

University of California, San Francisco

Manifest 539002642

February 8, 1982

Drums 1 through 3 F

14 x 1	gallon of organic solvents including methyl alcohol, acetone, methylene chloride, hexanes, acetyl nitrile

Drum 4 P

6 x 1	gallon used vacuum pump oil
4 x 1	gallon mixed solvents including acetonitrile, ethyl acetate, methylene chloride
1	gallon aqueous waste contaminated with diamino benzidine
2 x 1	gallon solid waste contaminated with diamino benzidine
1	gallon solid waste contaminated with osmium tetroxide
2 x 100	gram bottles of cyanogen bromide

Drum 5 F

1	gallon methyl alcohol
1	gallon petroleum ether
4	cubic feet of dry waste contaminated with diamino benzidine and oxmium tetroxide
2 x 1	gallon propanol - 2
1	gallon hexane
4 x 1	gallon mixed solvents with acetonitrile, methyl alcohol
1	pint trichloroacetic acid
1	pint dioxane

Drum 6 F

8 x 1	gallon mixed organic solvents including acetonitrile, methyl alcohol

Drum 6 continued

3 x 20	milliliters vials of acrolein
2 x 1	pint sodium cacoctylate

Drum 7 Acid

2 x 1	gallon concentrated nitric acid
1	gallon hydrochloric acid
7 x 1	gallon chromic, sulfuric acid cleaning solution

Miscellaneous F

18 x 5	gallon cans mixed organic solvents

SEE REVERSE SIDES FOR INSTRUCTIONS. PLEASE TYPE OR PRINT CLEARLY.

PRESS HARD

CALIFORNIA HAZARDOUS WASTE MANIFEST

STATE DEPARTMENT OF HEALTH SERVICES
HAZARDOUS MATERIALS MANAGEMENT SECTION
744 P STREET, SACRAMENTO, CA 95814

① MANIFEST NUMBER 539 № 002654

GENERATOR (GENERATOR MUST COMPLETE)

③ NAME UNIVERSITY of CALIFORNIA, SAN FRANCISCO
EPA NO. SMALL GENERATOR
ADDRESS PARNASSUS AVE
CITY, STATE, ZIP CODE SAN FRANCISCO, CA 94143
PHONE NO. (415) 666-1300
ORDER PLACED BY ARTURO DELEON ORDER DATE 3/11/81
P.O./CONTRACT NO. 1-2328368

③ DESIGNATED TSD FACILITY (AUTHORIZED TO OPERATE UNDER AN APPROVED STATE OR FEDERAL PROGRAM)
NAME CASMALIA DISPOSAL
EPA NO. CAD020748125
ADDRESS N.T.U. ROAD
CITY, STATE, ZIP CODE CASMALIA, CA 93429
PHONE NO. (805) 937-8449

④ ALTERNATE TSD FACILITY
NAME
EPA NO.
ADDRESS
CITY, STATE, ZIP CODE
PHONE NO.

⑤ U. S. DOT PROPER SHIPPING NAME	U. S. DOT HAZARD CLASS	UN/NA I.D. NO.	WEIGHT OR VOLUME	UNITS	CONTAINERS: NUMBER 7
WASTE HAZARDOUS WASTE	ORME		55		☒ DRUMS ☐ BAGS ☐ CARTONS ☐ DUMP TRUCK ☐ TANK TRUCK ☐ OTHER
WASTE					

⑥ WASTE CATEGORY 41
⑦ EX. HAZ. WASTE PERMIT NO. 2-2182
⑧ GENERATING PROCESS HOSPITAL

⑨ LIST COMPONENTS:

		CONC. RANGE UPPER	LOWER	UNITS %	PPM
A	LABORATORY CHEMICALS				
B					
C	SEE ATTACHED LIST				
D					
E					
F					
G					

NONHAZARDOUS MATERIAL ____ %

⑩ WASTE PROPERTIES: PH ____ ☒ TOXIC ☒ FLAMMABLE ☐ CORROSIVE IRRITANT ☐ REACTIVE ☐ SENSITIZER ☐ CARCINOGEN/MUTAGEN
⑪ PHYSICAL STATE: ☐ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ GAS ☐ OTHER
⑫ SPECIAL HANDLING INSTRUCTIONS: ☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ OTHER

GENERATOR CERTIFICATION: THIS IS TO CERTIFY THAT THE ABOVE NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED & LABELED, AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION AND THE EPA.

IN THE EVENT OF A SPILL CONTACT THE NATIONAL RESPONSE CENTER, U. S. COAST GUARD 1-800-424-8802.

⑬ Arturo L. DeLeon — SIGNATURE OF AUTHORIZED AGENT & TITLE — DATE SHIPPED 3/11/81

TRANSPORTER (HAULER MUST COMPLETE)

⑭ NAME NORTH STATE ENVIRONMENTAL
EPA NO. CAD000603738
ADDRESS 3612 Callan Blvd.
CITY, STATE, ZIP CODE South San Francisco, CA 94080
PHONE NO. (415) 558-2838

JOB NO.
UNIT NO. 1

⑮ PICK-UP DATE 3/11/81
TIME 11:00 ☒ AM ☐ PM

⑯ Frank R Bulstrau, President — SIGNATURE OF AUTHORIZED AGENT & TITLE

TSD FACILITY (OPERATOR MUST COMPLETE)

⑰ NAME
EPA NO.

⑱ QUANTITY (IF MEASURED)
⑲ STATE FEE (IF ANY) $

㉑ HANDLING OR DISPOSAL METHOD:
☐ SURFACE IMPOUNDMENT ☐ LANDFILL
☐ INJECTION WELL ☐ LAND TREATMENT
☐ TREATMENT (SPECIFY)
☐ RECOVERY OR REUSE ☐ STORAGE/TRANSFER

⑳ INDICATE ANY SIGNIFICANT DISCREPANCIES BETWEEN MANIFEST AND SHIPMENT

㉒ IF WASTE IS HELD FOR DELIVERY ELSEWHERE, SPECIFY THE DESIGNATED TSD FACILITY
NAME
EPA NO.

㉓

REVISED 11/80

University of California, San Francisco

Manifest 539002654

March 11, 1982

F

Drum 1

2 x 1	gallon petroleum ether 14
1	gallon aquasolve
4 x 1	gallon mixed organic solvents with methylene chloride, hexane
7 x 1	gallon xylenes
2 x 1	pint acetone
4	ounces hydrazine hydrate

F

Drum 2

2 x 1	gallon formaldehyde solution 14
6 x 1	gallon xylenes
5 x 1	gallon acetonitrile
1	gallon mixed solvents with chloroform, phenol, ethidium bromide
1	pint pyridine

F

Drum 3

5 x 1	gallon methyl alcohol
5 x 1	gallon acetonitrile and water
2 x 1	gallon waste solvent with methylene chloride, methyl alcohol and water
1	gallon acetone
1	gallon chloroform 14

F

Drum 4

8 x 1	gallon xylenes
1½	cubic feet dry waste contaminated with diamino benzidine
1	gallon mixed solvents with chloroform isoamyl alcohol, isopropyl alcohol, ethyl alcohol, phenol

AZ WASTE

Drum 5

2 x 1	gallon waste vacuum pump oil
1	gallon aquasolve
3 x 1	gallon methyl mercury in water 7
2 x 1	quart waste vacuum pump oil
1	quart dichloro methane
2 x 100	grams crotonaldehyde
1	quart dichloro dimethyl silane

Drum 6 Acid

5 x 9	pound bottles of chromic, sulfuric acid cleaning solution

FETY SPECIALISTS INCORPORATED

NOT INVOICE

№ I-1449

3284 F EDWARD AVENUE • SANTA CLARA, CALIFORNIA 95050 • TELEPHONE (408) 988-1111

University of California,
San Francisco
Accounting Office
Parnassus Avenue
San Francisco, CA 94143

Date February 5, 1980

Customer Order No. 775-878G

SSI No. 00724

Terms: Net 30 days

ATERIALS

E FOLLOWING ITEM WERE DELIVERED ON 1/24/80

ITEM	Specification	QTY	PRICE EA.	TOTAL
Gal. drum	DOT-17E			
Gal. drum	DOT-17H	3	$18.75	
Gal. drum	DOT-17H			
Gal. drum	DOT-17E			
Gal. Carboy	DOT-34-5			
ooden box	DOT-15A25			
ooden box	DOT-15A65	3	6.50	
SORBENT - Vermiculite		6	5.50	
gal fiberdrums		2	5.00	

ITEM	Specification	QTY	PRICE EA.	TOTAL
Fiberboard box	DOT-12A50	11	$ 2.00	
Fiberboard box	DOT-12A80	3	4.00	
1 pt. Polystyrene cs.	DOT-33A			
1 qt. Polystyrene cs.	DOT-33A			
5 pt. Polystyrene cs.	DOT-33A			
4x5 Polystyrene cs.	DOT-33A			
	TAXABLE TOTAL			
	Sales Tax			
	Delivery Charge			
	MATERIALS TOTAL			

CHEMICAL WASTE DISPOSAL

E FOLLOWING ITEMS WERE PICKED UP ON 1/24/80

TY		PRICE EA.	TOTAL
3	Cubic ft.	$ 5.00	
	5 Gal.		
	30 Gal.		
3	55 Gal.	37.50	
2	40-Gal.	26.50	
	Less 10% Discount		
	DISPOSAL TOTAL		

CHEMICAL PACKAGING

PACKAGING DATE 1/24/80

5.0	HOURS @	$22.50	PER HOUR	
5.0	HOURS @	22.50	PER HOUR	
96	MILES @	0.35	PER MILE	
OTHER CHARGES (See Attachment)				
CONSULTATION				
			PACKAGING TOTAL	

INVOICE TOTAL

Signature of Producer or Authorized Agent

TITLE

DATE

Revised December 1974

CALIFORNIA LIQUID WASTE HAULER RECORD

STATE WATER RESOURCES CONTROL BOARD
STATE DEPARTMENT OF HEALTH

See Disposal Site Tag # _____

PRODUCER OF WASTE (Must be filled by producer)

Name (print or type): Univ. of Calif. - San Francisco — Code No.

Pick up Address: 521 Parnassus Ave., San Francisco, CA 94143 (Number) (Street) (City)

Telephone Number: 415 [illegible]-1796 P.O. or Contract No.: 775-678C

Order Placed By: Arturo De Leon Date: 2/6/80

Type of Process which Produced Wastes: Laboratory Research (Examples: metal plating, equipment cleaning, oil drilling-wastewater treatment, pickling bath, petroleum refining) — Code No.

DESCRIPTION OF WASTE (Must be filled by producer)

Check type of waste:

1. ☒ Acid solution
2. ☐ Alkaline solution
3. ☐ Pesticides
4. ☐ Paint sludge
5. ☒ Solvent
6. ☐ Tetraethyl lead sludge
7. ☐ Cyanide plant wastes
8. ☐ Tank bottom sediment
9. ☐ Oil
10. ☐ Drilling mud
11. ☐ Contaminated soil and sand
12. ☐ Cannery waste
13. ☐ Latex waste
14. ☐ Mud and water
15. ☐ Brine

☒ Other (specify): See Attached Sheet — Code No.

Components: (Examples: Hydrochloric acid, lime, caustic soda, phenolics, solvents (list), metals (list), organics (list), cyanide)

		Concentration: Upper	Lower	%	ppm
1.	See Attached Sheet				
2.					
3.					
4.					
5.					
6.					

Hazardous Properties of Waste: pH _____ ☐ none ☒ toxic ☒ flammable ☒ corrosive ☐ explosive

Bulk Volume: _____ ☐ gal ☐ tons ☐ barrels (42 gal) ☐ other (specify)

Containers: 10 (Number) ☒ drums ☒ cartons ☐ bags ☒ other Cans (specify)

Physical State: ☒ solid ☒ liquid ☐ sludge ☐ other (specify)

Special Handling Instructions (if any): Wear gloves and safety glasses and keep away from heat and open flames.

The waste is described to the best of my ability and it was delivered to a licensed liquid waste hauler (if applicable).

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Signature of authorized agent and title

HAULER OF WASTE (Must be filled by hauler)

Name (print or type): SAFETY SPECIALISTS, INCORPORATED — Code No.

Business Address: 3284 F Edward Avenue, Santa Clara, CA 95050 (Number) (Street) (City)

Telephone Number: (408) 988-1111 Pick Up: 2/7/80 (Date) Time: ☐ am ☐ pm

State Liquid Waste Hauler's Registration No. (if applicable): 150

State Hazardous Waste Hauler's Registration No. (if applicable): 150

Job No.: _____ No. of Loads or Trips: _____ Unit No.: _____

Vehicle: ☐ vacuum truck ___ barrels, ☐ flatbed, ☒ other Van (specify)

The described waste was hauled by me to the disposal facility named below and was accepted.

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Signature of authorized agent and title

DISPOSER OF WASTE (Must be filled by disposer)

Name (print or type): WCC Landfill — Code No.

Site Address: Foot of Parr Blvd., Richmond, CA

The hauler above delivered the described waste to this disposal facility and it was an acceptable material under the terms of RWQCB requirements, State Department of Health regulations, and local restrictions.

Quantity measured at site (if applicable): _____ State fee (if any): N/A

See Manifest Number _____

Handling Method(s):

☐ recovery

☐ treatment (specify): Cells 1, 2, 3 (Examples: incineration, neutralization, precipitation) — Code No.

☒ disposal (specify): ☐ pond ☒ spreading ☐ landfill ☐ injection well ☐ other (specify): Class I Site — Code No.

If waste is held for disposal elsewhere specify final location: _____

Disposal Date: _____

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Signature of authorized agent and title

The site operator shall submit a legible copy of each completed Record to the State Department of Health with monthly fee reports.

SAFETY SPECIALISTS, INCORPORATED
3284 F Edward Avenue, Santa Clara, CA 95050
Telephone (408) 988-1111

FOR INFORMATION RELATED TO SPILLS OR OTHER EMERGENCIES INVOLVING HAZARDOUS WASTE OR OTHER MATERIALS CALL (800) 424-9300.

See Attached Sheet #00740

DOT Proper Shipping Name

DATA SHEET

niversity of Califomia, San Francisco
hemicals for Disposal - February, 1980

Attached Sheet #00740

5-gallon drum UCSF-1 F

9 x 1 gal Acetonitrile (50%), Flammable Liquid, 170 lb

5-gallon drum UCSF-2 F

4 x 1 gal Xylene, Flammable Liquid, 120 lb
x 1 gal Acetonitrile (50%), Flammable Liquid, 8 lb
x 1 gal Solvent, n.o.s. (Pyridine - Chloroform - Ethyl acetate mixture), Flammable Liquid, 22 lb
x 1 qt Pump oil

5-gallon drum UCSF-3 P

x 1 gal Solvent, n.o.s. (Pyridine - Chloroform - Ethyl acetate mixture), Flammable Liquid, 35 lb
x 1 gal Solvent, n.o.s. (Tetrahydrofuran - Chloroform - Acetone - Methanol mixture), Flammable Liquid, 35 lb
x 1 gal Solvent, n.o.s. (Methanol - Chloroform - Water mixture), Flammable Liquid, 15 lb
x 1 gal Solvent, n.o.s. (Acetonitrile - Methanol - Methylene chloride - Water mixture), Flammable Liquid, 70 lb

-gallon drum UCSF-4 F

x 1 gal Solvent, n.o.s. (Toluene plus extract), Flammable Liquid, 90 lb
x 1 gal DAB waste
x 1 gal Dimethylsulfoxide - PPO waste mixture
x 1 gal Flammable liquid, n.o.s. (Enhance waste), 3 lb
x 1 qt Dimethylsulfoxide - PPO waste mixture

gallon drum UCSF-5 F

15 gal Ether, Flammable Liquid, 75 lb
1 gal Methanol, Flammable Liquid, 20 lb

55-gallon drum UCSF-5 (Continued) P

1 x 1 gal Solvent, n.o.s. (Pyridine - Chloroform - Ethyl acetate mixture), Flammable Liquid, 8 lb
3 x 1 gal Pump oil
1 x 50 cc Wart vaccine
3 x 1 g Mustargen
1 x 1 g Smallpox vaccine
3 x 1 cc Coccidioidin
1 x 1½ cc Thyroid and parathyroid vaccine
3 x 1 cc Old tuberculin vaccine
1 x 9 cc Poliomyelitis vaccine
1 x 10 cc Blood group specific substances A and B
1 x 9 cc Vi antigen
1 x 1 mg Kveim antigen
1 x 1 cc Diphtheria and tetanus toxoids
1 x 1 cc Freund"s adjuvant
2 x 5 cc Repository corticotropin injection
1 x 1 mg S. typhi(O) agglutinating antigen
1 x 1 cc Mumps skin test antigen
2 x 1 cc Inactivated measles virus vaccine
1 x 1 cc Tetanus toxoid
1 x 1 cc Lupidon

40-gallon fiberdrums UCSF-6 and UCSF-7 and 30-gallon fiberdrum UCSF-8 contain dry lab waste (pipets, gloves, Kimwipes, petri plates, etc.) containing:

Trace amount: Mitomycin C
Epichlorohydrin

40-gallon fiberdrum UCSF-9 P

1 x 30 lb Dry waste (empty bottles, paper, gloves, etc.) containing a trace amount of Epon waste resin

Wooden box UCSF-10 P

1 x 100 cc Poisonous liquid, n.o.s. (77% water, 20% mercurous sulfate, 3% sulfuric acid), "Ltd. Qty.," 1 lb

STATE WATER RE[illegible]RCES CONTROL BOARD
STATE DEPARTMENT OF HEALTH

PRODUCER OF WASTE (Must be filled by producer)

Name (print or type): Univ. of Calif. - San Francisco (Code No.)

Pick up Address: 501 Parnassus Ave., San Francisco, CA 94143 (Number) (Street) (City)

Telephone Number: (415) 666-1794 P.O. or Contract No.: 775-8720

Order Placed By: Arturo De Leon Date: 1/23/80

Type of Process which Produced Wastes: Laboratory Research (Code No.)
(Examples: metal plating, equipment cleaning, oil drilling wastewater treatment, pickling bath, petroleum refining)

DESCRIPTION OF WASTE (Must be filled by producer)

Check type of wastes:

1. [X] Acid solution
2. [ ] Alkaline solution
3. [ ] Pesticide
4. [ ] Paint sludge
5. [X] Solvent
6. [ ] Tetraethyl lead sludge
7. [ ] Chemical toilet wastes
8. [ ] Tank bottom sediment
9. [ ] Oil
10. [ ] Drilling mud
11. [ ] Contaminated soil and sand
12. [ ] Cannery waste
13. [ ] Latex waste
14. [ ] Mud and water
15. [ ] Brine

[X] Other (Specify): See Attached Sheet (Code No.)

Components:
(Examples: Hydrochloric acid, lime, caustic soda, phenolics, solvents (list), metals (list), organics (list), cyanide)

		Concentration: Upper	Lower	%	ppm
1.	See Attached Sheet				
2.					
3.					
4.					
5.					
6.					

Hazardous Properties of Waste:
pH ____ [ ] none [X] toxic [X] flammable [X] corrosive [ ] explosive

Bulk Volume: ____ [ ] gal [ ] tons [ ] barrels (42 gal) [ ] other (specify)

Containers: ____ (Number) [X] drums [X] cartons [ ] bags [X] other (specify): Cans

Physical State: [X] solid [X] liquid [ ] sludge [ ] other (specify)

Special Handling Instructions (if any): Wear gloves and safety glasses and keep away from heat and open flames.

The waste is described to the best of my ability and it was delivered to a licensed liquid waste hauler (if applicable).

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Signature of authorized agent and title

HAULER OF WASTE (Must be filled by hauler)

Name (print or type): SAFETY SPECIALISTS, INCORPORATED (Code No.)

Business Address: 3284 F Edward Avenue, Santa Clara, CA 95050 (Number) (Street) (City)

Telephone Number: (408) 988-1111 Pick Up: 1/24/80 (Date) Time: [ ] am [ ] pm

State Liquid Waste Hauler's Registration No. (if applicable): 150

State Hazardous Waste Hauler's Registration No. (if applicable): 150

Job No.: ____ No. of Loads or Trips: ____ Unit No.: ____

Vehicle: [ ] vacuum truck ____ barrels, [ ] flatbed, [X] other Van (specify)

The described waste was hauled by me to the disposal facility named below and was accepted.

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Signature of authorized agent and title

DISPOSER OF WASTE (Must be filled by disposer)

Name (print or type): BCC Landfill (Code No.)

Site Address: West s f Parr Blvd., Richmond, CA

The hauler above delivered the described waste to this disposal facility and it was an acceptable material under the terms of RWQCB requirements, State Department of Health regulations, and local restrictions.

Quantity measured at site (if applicable): ____ State fee (if any): N/A

See Manifest Number ____

Handling Method(s):

[ ] recovery

[ ] treatment (specify): Cells A, B, C (Code No.)
(Examples: incineration, neutralization, precipitation)

[X] disposal (specify): [ ] pond [X] spreading [ ] landfill [ ] injection well [ ] other (specify): Class I Site (Code No.)

If waste is held for disposal elsewhere specify final location: ____

Disposal Date: ____

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Signature of authorized agent and title

The site operator shall submit a legible copy of each completed Record to the State Department of Health with monthly fee reports.

SAFETY SPECIALISTS, INCORPORATED
3284 F Edward Avenue, Santa Clara, CA 95050
Telephone (408) 988-1111

FOR INFORMATION RELATED TO SPILLS OR OTHER EMERGENCIES INVOLVING HAZARDOUS WASTE OR OTHER MATERIALS CALL (800) 424-9300.

See Attached Sheet

DOT Proper Shipping Name

No. 00724

white- SSI (licence file) blue- SSI (customer file) green- disposal site (file) yellow- disposal site (State copy) pink- producer (file) gold- producer (State copy)

University of California, San Francisco
Chemicals for Disposal - January, 1980

Attached Sheet #00724

55-gallon drum UCSF-1 F

16 x 1 gal	Acetonitrile waste, Flammable Liquid
1 x ¼ pt	Ethylene dichloride, "Ltd. Qty.," Flammable Liquid, ¼ lb
1 x 1 qt	Dioxane, Flammable Liquid, 2 lb
1 x 1 qt	Diethylamine, Flammable Liquid, 2 lb
1 x 1 gal	Xylene, Flammable Liquid, 7 lb
1 x 1 pt	Toluene, "Ltd. Qty.," Flammable Liquid, 1 lb

55-gallon drum UCSF-2 F

3 x 1 gal	Benzene, Flammable Liquid, 21 lb
1 x 1 gal	Ethyl acetate, Flammable Liquid, 7 lb
1 x 1 gal	Propyl alcohol, Flammable Liquid, 7 lb
2 x 1 gal	Isopropanol, Flammable Liquid, 14 lb
2 x 1 gal	Formalin, ORM-A, 12 lb
1 x 1 gal	Butyl alcohol, Flammable Liquid, 7 lb
2 x 1 gal	Ethylene glycol monomethyl ether, Combustible Liquid, 14 lb
1 x 1 gal	Toluene, Flammable Liquid, 6 lb
1 x 1 gal	1,2-Propanediol
1 x 1 gal	Combustible Liquid, n.o.s. (Methyl benzoate), 5 lb
4 x 1 gal	Pump oil
1 x 1 pt	Glycerine

55-gallon drum UCSF-3

2 x 1 gal	Solvent, n.o.s. (Acetone - Petroleum ether - Chloroform - Dimethylformamide mixture), Flammable Liquid
1 x 1 gal	Dichloromethane-Dioxane mixture
5 x 1 gal	Chloroform-dichloromethane-dimethylformamide-triethylamine mixture
1 x 1 gal	Paraformaldehyde-glutaraldehyde mixture

55-gallon drum UCSF-3 (Continued) C

2 x 1 gal	Methyl mercury hydroxide solution
2 x 5 pt	Methyl mercury hydroxide solution

Fiberbox UCSF-4 P

1 x 1 pt	Aniline oil, liquid, Poison B, 1 lb
1 x 1 lb	Petrolatum

Fiberbox UCSF-5

4 x 5 pt	Hydrochloric acid, Corrosive Material, 28 lb

Fiberbox UCSF-6

2 x 5 pt	Sulfuric acid, Corrosive Material, 18 lb
1 x 5 pt	Hydrochloric acid, Corrosive Material, 7 lb
1 x 1 gal	Hydrochloric acid mixture, Corrosive Material, 10 lb

Fiberbox UCSF-7

1 x 1 gal	Propionic acid, Corrosive Material, 5 lb

Fiberbox UCSF-8

1 x 5 pt	Phenol, liquid, Poison B, 6 lb

Fiberbox UCSF-9

1 x 5 pt	Ammonium hydroxide, Corrosive Material, 4 lb

Wooden boxes UCSF-10, UCSF-11, and UCSF-12 each contain:

1 x 5 pt	Nitric acid, Oxidizer, 7 lb

University of California, San Francisco
ıemicals for Disposal - January, 1980 (Continued)

Attached Sheet #00724

Fiberbox UCSF-13

1 x 5 pt Sodium hydroxide solution, Corrosive Material, 5 lb

Fiberbox UCSF-14

2 x 1 pt Formic acid, Corrosive Material, 2 lb
1 x 1 pt Acetic anhydride, Corrosive Material, 1 lb
1 x 1 pt Lactic acid

Fiberbox UCSF-15

1 x ½ pt Sulfuric acid, Corrosive Material, 1 lb
1 x 1 pt Hydrobromic acid (40%), Corrosive Material, 1 lb
1 x ½ pt Hydrochloric acid, Corrosive Material, ½ lb

Fiberbox UCSF-16

` x 1 pt Decalcifying fluid (contains dilute hydrochloric acid)

Fiberbox UCSF-17 P

1 x 25 g Mercuric chloride, solid, "Ltd. Qty.," Poison B
2 x ¼ lb Cyanide, n.o.s., "Ltd. Qty.," Poison B, ½ lb
1 x ½ oz Strychnine salt, solid, "Ltd. Qty.," Poison B, ½ oz
1 x 1 g Strychnine salt, solid, "Ltd. Qty.," Poison B, 1 g
1 x 10 g p-Nitrobenzaldehyde
1 x 10 g Nembutal
1 x 15 cc Sodium pentabarbitol
1 x 100 g Hengar granules

40-gallon drum UCSF-18 P

1 x 2.5 gal Rapidoprint Activator G182B
1 x 2.5 gal Rapidoprint Stabilizer G382B
1 x 2.5 gal Rapidoprint Fixer Q503
1 x 25 lb Dry lab waste

40-gallon fiberdrum UCSF-19 P

50 lb Dry lab waste (with trace amount of benzo(a)pyrene and mitomycin C)

Fiberbox UCSF-20

3 x ½ pt Poisonous liquid, n.o.s. (Osmium tetroxide), "Ltd. Qty.," Poison B, 2 lb

Fiberbox UCSF-21

1 x 1 pt Poisonous liquid, n.o.s. (Osmium tetroxide), "Ltd. Qty.," Poison B, 1 lb

INVOICE

№ _____

3284 F EDWARD AVENUE • SANTA CLARA, CALIFORNIA 95050 • TELEPHONE (408) 988-1111

University of California,
San Francisco
Accounting Office
Parnassus Avenue
San Francisco, CA 94143

Date _____

Customer Order No. 775-878G

SSI No. 00714

Terms: Net 30 days

TERIALS

FOLLOWING ITEM WERE DELIVERED ON 1/10/80

ITEM	Specification	QTY	PRICE EA.	TOTAL
l. drum	DOT-17E			
l. drum	DOT-17H	3	$18.75	
l. drum	DOT-17H			
l. drum	DOT-17E			
l. Carboy	DOT-34-5			
den box	DOT-15A25			
den box	DOT-15A65			
ORBENT - Vermiculite		6.5	5.50	
gal Fiberdrum		2	5.00	

ITEM	Specification	QTY	PRICE EA.	TOTAL
Fiberboard box	DOT-12A50	14	$3.00	
Fiberboard box	DOT-12A80	2	4.00	
1 pt. Polystyrene cs.	DOT-33A			
1 qt. Polystyrene cs.	DOT-33A			
5 pt. Polystyrene cs.	DOT-33A			
4x5 Polystyrene cs.	DOT-33A			
	TAXABLE TOTAL			
	Sales Tax			
	Delivery Charge			
	MATERIALS TOTAL			

CHEMICAL WASTE DISPOSAL

FOLLOWING ITEMS WERE PICKED UP ON 1/10/80

Y		PRICE EA.	TOTAL
4	Cubic ft.	$ 5.00	
	5 Gal.		
	30 Gal.		
3	55 Gal.	37.50	
2	40- Gal.	26.50	
		DISPOSAL TOTAL	

CHEMICAL PACKAGING

PACKAGING DATE _____

6.0 HOURS @ $22.50 PER HOUR

6.5 HOURS @ 22.50 PER HOUR

96 MILES @ 0.35 PER MILE

OTHER CHARGES (See Attachment)

CONSULTATION

PACKAGING TOTAL

INVOICE TOTAL

[signature]
nature of Producer or Authorized Agent

[illegible]
TITLE

[illegible]
DATE

STATE WATER RESOURCES CONTROL BOARD
STATE DEPARTMENT OF HEALTH

PRODUCER OF WASTE (Must be filled by producer)

Name (print or type): University of California, San Francisco — Code No.

Pick up Address: 601 Parnassus Ave., San Francisco, CA 94143 (Number) (Street) (City)

Telephone Number: (415) 666-1774 P.O. or Contract No.: 775-8705

Order Placed By: Arturo De Leon Date: 1/8/88

Type of Process which Produced Wastes: Laboratory Research (Examples: metal plating, equipment cleaning, oil drilling wastewater treatment, pickling bath, petroleum refining)—Code No.

DESCRIPTION OF WASTE (Must be filled by producer)

Check type of wastes:

1. ☐ Acid solution
2. ☐ Alkaline solution
3. ☐ Pesticides
4. ☐ Paint sludge
5. ☐ Solvent
6. ☐ Tetraethyl lead sludge
7. ☐ Chemical toilet wastes
8. ☐ Tank bottom Sediment
9. ☐ Oil
10. ☐ Drilling mud
11. ☐ Contaminated soil and sand
12. ☐ Cannery waste
13. ☐ Latex waste
14. ☐ Mud and water
15. ☐ Drine

☒ Other (Specify) See Attached Sheet — Code No.

Components: (Examples: hydrochloric acid, lime, caustic soda, phenolics, solvents (list), metals (list), organics (list), cyanide)

	Concentration: Upper	Lower	%	ppm
1. See Attached Sheet				
2.				
3.				
4.				
5.				
6.				

Hazardous Properties of Waste: pH ____ ☐ none ☒ toxic ☒ flammable ☒ corrosive ☐ explosive

Bulk Volume: ____ ☐ gal ☐ tons ☐ barrels (42 gal) ☐ other (specify)

Containers: ____ (Number) ☒ drums ☒ cartons ☐ bags ☒ other Cans (specify)

Physical State: ☒ solid ☒ liquid ☐ sludge ☐ other (specify)

Special Handling Instructions (if any): Wear gloves and safety glasses, and keep away from heat and open flames.

The waste is described to the best of my ability and it was delivered to a licensed liquid waste hauler (if applicable).

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Signature of authorized agent and title

HAULER OF WASTE (Must be filled by hauler)

Name (print or type): SAFETY SPECIALISTS, INCORPORATED — Code No.

Business Address: 3284 F Edward Avenue, Santa Clara, CA 95050 (No.) (Number) (Street) (City)

Telephone Number: (408) 988-1111 Pick Up: 1/10/88 (Date) Time: ☐ am ☐ pm

State Liquid Waste Hauler's Registration No. (if applicable): 150

State Hazardous Waste Hauler's Registration No. (if applicable): 150

Job No.: ____ No. of Loads or Trips: ____ Unit No.: ____

Vehicle: ☐ vacuum truck ____ barrels, ☐ flatbed, ☒ other Van (specify)

The described waste was hauled by me to the disposal facility named below and was accepted.

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Signature of authorized agent and title

DISPOSER OF WASTE (Must be filled by disposer)

Name (print or type): WCC Landfill — Code No.

Site Address: West of Parr Blvd., Richmond, CA

The hauler above delivered the described waste to this disposal facility and it was an acceptable material under the terms of RWQCB requirements, State Department of Health regulations, and local restrictions.

Quantity measured at site (if applicable): ____ State fee (if any): N/A

See Manifest Number ____

Handling Method(s):

☐ recovery

☐ treatment (specify): Cells A, B, C (Examples: incineration, neutralization, precipitation)—Code No.

☒ disposal (specify): ☐ pond ☒ spreading ☐ landfill ☐ injection well ☐ other (specify): Class I Site — Code No.

If waste is held for disposal elsewhere specify final location: ____

Disposal Date: ____

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Signature of authorized agent and title

The site operator shall submit a legible copy of each completed Record to the State Department of Health with monthly fee reports.

SAFETY SPECIALISTS, INCORPORATED
3284 F Edward Avenue, Santa Clara, CA 95050
Telephone (408) 988-1111

FOR INFORMATION RELATED TO SPILLS OR OTHER EMERGENCIES INVOLVING HAZARDOUS WASTE OR OTHER MATERIALS CALL (800) 424-9300.

See Attached Sheet #003714
DOT Proper Shipping Name

No. ____

white- SSI (license file) blue- SSI (customer file) green- disposal site (file) yellow- disposal site (State copy) pink- producer (file) gold- producer (State copy)

Fiberbox use CF

DATA SHEET

...versity of California, San Francisco
...micals for disposal - January, 1980

Attached Sheet #00714

...-gallon drum UCSF-1

... x 1 gal	Xylene, Flammable Liquid, 130 lb
... x 1 pt	Butyl chloride, "Ltd. Qty.," Flammable Liquid, 1 lb
... x 1 pt	Dichloromethane, ORM-A, 1 lb
... x 1 qt	Flammable liquid, n.o.s. (Scintillation fluid), 20 lb
... x 1 pt	Flammable liquid, n.o.s. (Scintillation fluid), 3 lb
... 1 pt	Pyridine, "Ltd. Qty.," Flammable Liquid, 2 lb
... 1 pt	Benzene, "Ltd. Qty.," Flammable Liquid, 4 lb
... 1 pt	Ethylene dichloride, "Ltd. Qty.," Flammable Liquid, 1 lb
... 1 pt	Butyl alcohol, "Ltd. Qty.," Flammable Liquid, 1 lb
... 1 pt	Toluene, "Ltd. Qty.," Flammable Liquid, 3 lb
... 1 pt	Hexane, "Ltd. Qty.," Flammable Liquid, 2 lb

...gallon drum UCSF-2

... 1 gal	Acetonitrile (50%) waste, Flammable Liquid, 80 lb
... 1 gal	Isooctane, Flammable Liquid, 5 lb
... 1 pt	Heptane, "Ltd. Qty.," Flammable Liquid, 1 lb
... 1 pt	Flammable liquid, n.o.s. (Tissue solubilizer), "Ltd. Qty.," 2 lb
... pt	Ethylene glycol monomethyl ether, Combustible Liquid, 1 lb
... pt	Drakeol
... pt	Glycerol
... gal	Flammable liquid, n.o.s. (Toluene - ether mixture), 4 lb
... Kg	Methylal, Flammable Liquid, 4 lb
... gal	Methanol, Flammable Liquid, 12 lb
... gal	Tetrachloroethane, ORM-A, 10 lb
... gal	Acetone, Flammable Liquid, 3 lb
... gal	Glycerine
... gal	Propylene glycol
... pt	Formalin

55-gallon drum UCSF-3

3 x 1 gal	Solvent, n.o.s., Flammable Liquid, 20 lb
1 x 1 gal	Petroleum ether, Flammable Liquid, 5 lb
1 x 1 gal	Ethyl alcohol, Flammable Liquid, 8 lb
1 x 1 gal	Mineral oil
1 x 1 gal	Zenkers waste
2 x 1 gal	Chloroform - ethidium bromide - phenol waste
1 x 1 gal	DAB waste
1 x 25 lb	Methylmercury hydroxide dry waste

40-gallon drum UCSF-4 contains dry laboratory waste (pipets, Kimwipes, petri plates, etc.) containing the following:

Trace amount: Benzo(a)pyrene
Mitomycin C

40-gallon fiberdrum UCSF-5 HAZ WASTE

1 x 5 lb	Sea sand
1 x 5 lb	Potassium phosphate
1 x 5 lb	Iodine
1 x 1 lb	Talc
1 x 1/2 lb	10-Undecenoic acid powder
2 x 1/2 lb	Aluminum potassium sulfate
1 x 1/4 lb	Potassium bromide
1 x 1/2 lb	Tragacanth powder
1 x 1/4 lb	Drierite
1 x 1/4 lb	Boric acid powder
2 x 1 lb	Oxalic acid powder
1 x 1 lb	Vitamin free casein
1 x 1 lb	Iron phosphate
1 x 1 lb	Sodium acetate
1 x 1/2 lb	Epsom salt
1 x 1/2 lb	Sodium oxalate
1 x 1 lb	Ammonium chloride
1 x 1 lb	Aleuronot
3 x 1 lb	Sodium phosphate
3 x 1 lb	Potassium phosphate

DATA SHEET

iversity of California, San Francisco
nicals for disposal - January, 1980 (Continued)

Attached Sheet #00714

-gallon fiberdrum UCSF 5 (Continued)

x 1 lb	Sodium sulphate
x 10 g	Salin and glucose
x 1 oz	Saponin
x 1 oz	Sodium sulfite
x 1/4 lb	Special Agar-Noble
x 100 g	D-Galactose
x 1/4 lb	Sodium gluconate
x 1/4 lb	Ferrous sulphate
x 100 cc	Tween 80
x 1 lb	Sodium thiosulphate
x 50 g	Lyphogel
x 1 lb	Gelatin
x 1 lb	Ferrous chloride
x 1 lb	Magnesium chloride
x 5 g	Rotenone
x 15 g	Potassium chloride
x 4 oz	Borax
x 25 g	p-Dimethylaminobenzaldehyde
100 g	Ascorbic acid
x 5 g	Chloramphenicol
x 4 g	Acti-dione
x 25 g	a-Naphthol

berbox UCSF-6

x 1 pt	Phenol, liquid, "Ltd. Qty.," Poison B, 6 lb

berbox UCSF-7

x 5 pt	Acid liquid, n.o.s. (Sulfuric acid - Chromerge mixture), Corrosive Material, 36 lb

berbox UCSF-8

x 1 pt	Phenol, liquid, "Ltd. Qty.," Poison B, 4 lb

berbox UCSF-9

x 5 pt	Acid liquid, n.o.s. (Sulfuric acid - Chromerge mixture), Corrosive Material, 9 lb

Fiberbox UCSF-10

4 x 1 lb	Phosphoric anhydride, Corrosive Material, 4 lb

Fiberbox UCSF-11

2 x 1 lb	Sodium hydroxide, dry solid, "Ltd. Qty.," Corrosive Material, 2 lb
3 x 1/4 lb	Potassium nitrate, Oxidizer, "Ltd. Qty.," 1 lb

Fiberbox UCSF-12

1 x 5 pt	Hydrochloric acid, Corrosive Material, 7 lb

Fiberbox UCSF-13

1 x 5 pt	Acetic acid, Glacial, Corrosive Material, 4 lb

Fiberbox UCSF-14

3 x 1 pt	Sulfuric acid, Corrosive Material, 3 lb
1 x 1 lb	Phosphoric acid, Corrosive Material, 1 lb

Fiberbox UCSF-15

4 x 1/2 pt	Hydrochloric acid, Corrosive Material, 2 lb

Fiberbox UCSF-16 CORROSIVE

1 x 1 gal	Swimming pool chlorine

Fiberbox UCSF-17

1 x 1/4 lb	Acetic acid, Glacial, Corrosive Material, 1/4 lb
1 x 100 g	Thiobenzoic acid

DATA SHEET

iversity of California, San Francisco
micals for disposal - January, 1980 (Continued)

Attached Sheet #00714

berbox UCSF-18

x 5 pt Acid liquid, n.o.s. (Sulfuric acid - Chromerge mixture), Corrosive Material, 9 lb

berbox UCSF-19

x 5 lb Ferrous sulfate corrosive

berbox UCSF-20

x 1 qt Pipets contaminated with a trace amount of osmic acid

berbox UCSF-21

x 1 lb Corrosive solid, n.o.s. (Aluminum chloride), Corrosive Material, 1 lb

Revised [illegible]

CALIFORNIA LIQUID WASTE HAULER RECORD

See Tag No. _____

STATE WATER RESOURCES CONTROL BOARD
STATE DEPARTMENT OF HEALTH

PRODUCER OF WASTE (Must be filled by producer)

Name (print or type): Univ. of Calif. - San Francisco [ ][ ][ ][ ][ ] Code No.

Pick up Address: 501 Parnassus Ave., San Francisco, CA 94143
(Number) (Street) (City)

Telephone Number: (415) 666-1300 P.O. or Contract No.: 750 8370

Order Placed By: Arturo Velson Date: 2/21/79

Type of Process which Produced Wastes: Laboratory Research [ ][ ][ ][ ]
(Examples: metal plating, equipment cleaning, oil drilling--wastewater treatment, pickling bath, petroleum refining) Code No.

DESCRIPTION OF WASTE (Must be filled by producer)

Check type of wastes:

1. ☐ Acid solution
2. ☐ Alkaline solution
3. ☐ Pesticides
4. ☐ Paint sludge
5. ☐ Solvent
6. ☐ Tetraethyl lead sludge
7. ☐ Chemical toilet wastes
8. ☐ Tank bottom sediment
9. ☐ Oil
10. ☐ Drilling mud
11. ☐ Contaminated soil and sand
12. ☐ Cannery waste
13. ☐ Latex waste
14. ☐ Mud and water
15. ☐ Brine

☒ Other (Specify) See attached Sheet 1 [ ][ ][ ] Code No.

Components:
(Examples: Hydrochloric acid, lime, caustic soda, phenolics, solvents (list), metals (list), organics (list), cyanide)

		Concentration: Upper	Lower	%	ppm
1.	See attached Sheet				
2.	"				
3.	"				
4.	"				
5.	"				
6.	"				

Hazardous Properties of Waste:
pH _____ ☐ none ☒ toxic ☒ flammable ☒ corrosive ☐ explosive

Bulk Volume: _____ ☐ gal ☐ tons ☐ barrels (42 gal) ☐ other (specify)

Containers: 55 (Number) ☒ drums ☒ cartons ☐ bags ☒ other Carboys (specify)

Physical State: ☒ solid ☒ liquid ☐ sludge ☐ other (specify)

Special Handling Instructions (if any): Wear protective clothing and keep away from heat and open flames.

The waste is described to the best of my ability and it was delivered to a licensed liquid waste hauler (if applicable).

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Carlos L. Lopez
Signature of authorized agent and title

HAULER OF WASTE (Must be filled by hauler)

Name (print or type): SAFETY SPECIALISTS, INCORPORATED [ ][ ][ ] Code No.

Business Address: 3284 F Edward Avenue, Santa Clara, CA 95050
(Number) (Street) (City)

Telephone Number: (408) 988-1111 Pick Up: 2/22/79 (Date) Time: : ☐ am ☐ pm

State Liquid Waste Hauler's Registration No. (if applicable): 150

State Hazardous Waste Hauler's Registration No. (if applicable): 150

Job No.: _____ No. of Loads or Trips: _____ Unit No.: _____

Vehicle: ☐ vacuum truck ____ barrels, ☐ flatbed, ☒ other Van (specify)

The described waste was hauled by me to the disposal facility named below and was accepted.

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Ken Wilkins
HAZARDOUS MATERIALS SPECIALIST
Signature of authorized agent and title

DISPOSER OF WASTE (Must be filled by disposer)

Name (print or type): WCCC Dump [ ][ ][ ] Code No.

Site Address: Foot of Parr Blvd., Richmond, CA

The hauler above delivered the described waste to this disposal facility and it was an acceptable material under the terms of RWQCB requirements, State Department of Health regulations, and local restrictions.

Quantity measured at site (if applicable): _____ State fee (if any): _____

See Manifest Number SSI (One of Six)

Handling Method(s):

☐ recovery

☐ treatment (specify): Cells A, B, C, D [ ][ ]
(Examples: incineration, neutralization, precipitation)-Code No.

☒ disposal (specify): ☐ pond ☒ spreading ☐ landfill ☐ injection well
☐ other (specify): Class I Site [ ][ ] Code No.

If waste is held for disposal elsewhere specify final location: _____

Disposal Date: 2/22/79

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Signature of authorized agent and title

The site operator shall submit a legible copy of each completed Record to the State Department of Health with monthly fee reports.

SAFETY SPECIALISTS, INCORPORATED
3284 F Edward Avenue, Santa Clara, CA 95050
Telephone (408) 988-1111

FOR INFORMATION RELATED TO SPILLS OR OTHER EMERGENCIES INVOLVING HAZARDOUS WASTE OR OTHER MATERIALS CALL (800) 424-9300.

See Attached Sheet #00492
DOT Proper Shipping Name

SSI No. [illegible]

DATA SHEET

University of California, San Francisco
Chemicals for Disposal - February, 1979

Attached Sheet #00492

55-gallon drum UCSF-1

2 x 1 gal Acetonitrile, Flammable Liquid
1 x 1 gal Methanol, Flammable Liquid
4 x 1 gal Methylene chloride
1 x 1 gal Hexane, Flammable Liquid
4 x 1 gal Chloroform
1 x 1 gal Oil, n.o.s.
22 x 1 pt Chloroform
1 x 1 gal Toluene, Flammable Liquid
1 x 1 gal Xylenes, Flammable Liquid
2 x 1 gal Solvent, n.o.s., Flammable Liquid
2 x 1 pt Flammable liquid, n.o.s. (Permount), Flammable Liquid
1 x ¼ lb Ether, Flammable Liquid

55-gallon drum UCSF-2

3 x 1 gal Xylenes, Flammable Liquid
2 x 1 gal Methanol, Flammable Liquid
1 x 1 gal Benzene, Flammable Liquid
1 x 1 gal Petroleum ether, Flammable Liquid
1 x 1 gal Chloroform
1 x 1 lb Formalin
1 x 1 qt Formalin
1 x 1 gal Solvent, n.o.s., Flammable Liquid
1 x 1 gal Methanol, Flammable Liquid
4 x 1 gal Acetonitrile, Flammable Liquid
2 x 1 gal Methylene chloride
3 x 1 gal Dichloromethane-dimethylformamide mixture
2 x 1 pt Chloroform
3 x 1 pt Oil, n.o.s. (Pump oil)
1 x 1 pt Flammable liquid, n.o.s. (Scintillation fluid), Flammable Liquid
1 x 1 pt Glyoxal

55-gallon drum UCSF-3

3 x 1 gal Acetonitrile, Flammable Liquid
1 x 1 gal Hexane, Flammable Liquid
2 x 1 gal Methylene chloride
1 x 1 gal Ethyl alcohol, Flammable Liquid
1 x 1 gal Isopropanol, Flammable Liquid
2 x 1 gal Flammable liquid, n.o.s. (Xylene-isopropanol mixture), Flammable Liquid
x 1 pt Terpineol
x 1 qt Flammable liquid, n.o.s. (Scintillation fluid), Flammable Liquid
x 1 pt Propylene glycol
x 1 pt n-Propyl alcohol, Flammable Liquid

55-gallon drum UCSF-3 (Continued)

2 x 1 pt Heptane, Flammable Liquid
1 x 1 pt Acetonitrile, Flammable Liquid
1 x 1 pt Pyridine, Flammable Liquid
1 x 1 gal Solvent, n.o.s., Flammable Liquid
1 x 1 gal Flammable liquid, n.o.s. (Scintillation fluid), Flammable Liquid

55-gallon drum UCSF-4

1 x 5 gal Hexane, Flammable Liquid
2 x 1 gal Acetonitrile, Flammable Liquid
3 x 1 gal Solvent, n.o.s.
1 x 1 gal Flammable liquid, n.o.s. (DAB waste), Flammable Liquid
1 x 1 gal Flammable liquid, n.o.s. (Resin waste), Flammable Liquid
1 x 500 g Chloronaphthalene
1 x 1 pt Benzene, Flammable Liquid
1 x 500 g Propylene oxide, Flammable Liquid
1 x 1 pt Formalin
1 x 1 pt Xylene, Flammable Liquid
1 x 1 gal Methanol, Flammable Liquid
1 x 1 gal Toluene, Flammable Liquid
3 x 1 gal Oil, n.o.s.
2 x 1 gal Methylene chloride
1 x 1 gal Isopentane, Flammable Liquid
3 x 5 pt Oil, n.o.s.
1 x 1 pt Oil, n.o.s.
1 x 1 pt Formalin

55-gallon drum UCSF-5

1 x 1 gal Flammable liquid, n.o.s. (Scintillation fluid), Flammable Liquid
1 x 1 gal Solvent, n.o.s., Flammable Liquid
1 x 1 gal Propyl alcohol, Flammable Liquid
5 x 1 gal Formaldehyde solution
1 x 1 gal Ethylene glycol monomethyl ether, Combustible Liquid
1 x 1 gal Benzene, Flammable Liquid
2 x 1 gal Xylene, Flammable Liquid
1 x 1 Kg Propylene glycol
1 x 1 gal Toluene, Flammable Liquid
2 x 1 gal Acetonitrile, Flammable Liquid
2 x 1 gal Methanol, Flammable Liquid
1 x 1 gal Methylene chloride
2 x 5 pt Butyl alcohol, Flammable Liquid
1 x 1 Kg Butyl ether, Flammable Liquid
2 x 1 pt Dioxane, Flammable Liquid

DATA SHEET

University of California, San Francisco
Chemicals for Disposal - February, 1979 (Continued)

Attached Sheet #00492

30-gallon drum UCSF-13

10 x 1 gal Methyl mercury
3 x 5 pt Methyl mercury

Containers UCSF-14 through UCSF-19 contain dry laboratory waste (pipets, Kimwipes, paper towels, petri plates, etc.) contaminated with the listed mutagens and carcinogens:

55-gallon drums UCSF-14 and UCSF-15

Trace amounts: Benzo(a)pyrene
Benz(a)anthracene
Ethyl methane sulfonate
Nitroquinoline-N-oxide
N-Nitrosoguanidine

30-gallon fiberdrums UCSF-16 through UCSF-19

Trace amounts: Benzo(a)pyrene
Benz(a)anthracene
Ethyl methane sulfonate
Nitroquinoline-N-oxide
N-Nitrosoguanidine

5-gallon carboys UCSF-20 through UCSF-27

8 x 5 gal Acid liquid, n.o.s., Corrosive Material

Fiberbox UCSF-28

5 x 5 lb Potassium hydroxide, dry solid, Corrosive Material
6 x 1 lb Corrosive solid, n.o.s. (Barium hydroxide), Corrosive Material

Fiberbox UCSF-29

5 x 5 lb Potassium hydroxide, dry solid, Corrosive Material

5-gallon drums UCSF-30 and UCSF-31

2 x 5 gal Solvent, n.o.s., Flammable Liquid

Fiberbox UCSF-32

4 x 9 lb Sulfuric acid, Corrosive Material

Fiberbox UCSF-33

2 x 5 lb Acetic acid, glacial, Corrosive Material

Fiberbox UCSF-33 (Continued)

1 x 1 lb Acetic acid, glacial, Corrosive Material
1 x 1 pt Formic acid, Corrosive Material
5 x 500 g Propionic acid, Corrosive Material

Fiberbox UCSF-34

3 x 1 gal Acid liquid, n.o.s., Corrosive Material
1 x 5 pt Acid liquid, n.o.s., Corrosive Material

Fiberbox UCSF-35

4 x 5 pt Acid liquid, n.o.s., Corrosive Material

Fiberbox UCSF-36

4 x 5 pt Acid liquid, n.o.s., Corrosive Material

5-pt Polystyrene case UCSF-37

1 x 5 pt Nitric acid, Oxidizer

5-pt Polystyrene case UCSF-38

1 x 5 pt Nitric acid, Oxidizer

1-pt Polystyrene cases UCSF-39 through UCSF-41 (each contain)

1 x 1 pt Sulfuric acid, Corrosive Material

Fiberbox UCSF-42

2 x 5 pt Hydrochloric acid, Corrosive Material
2 x 1 pt Sulfuric acid, Corrosive Material
1 x 1 pt Phosphoric acid, Corrosive Material

1-pt Polystyrene case UCSF-43

1 x 1 pt Perchloric acid, Oxidizer

Fiberbox UCSF-44

4 x 9 lb Sulfuric acid, Corrosive Material

Fiberbox UCSF-45

4 x 9 lb Sulfuric acid, Corrosive Material

DATA SHEET

University of California, San Francisco
Chemicals for Disposal - February, 1979 (Continued)

Attached Sheet #00492

Fiberbox UCSF-46

12 Empty gas cylinders

Fiberbox UCSF-47

3 x 1 gal Ammonium hydroxide, Corrosive Material

Wooden box UCSF-48

1 x 100 g Iodine monochloride, Corrosive Material

Fiberbox UCSF-49

4 x 1 gal Sodium hydroxide solution, Corrosive Material

Fiberbox UCSF-50

1 x 1 gal Methyl mercury
2 x 1 gal Solvent, n.o.s., Combustible Liquid
1 x 1 qt Bouin's solution

Fiberbox UCSF-51

2 x 2 gal Fixer (photographic)

Fiberbox UCSF-52

18 x ½ lb Hydrogen peroxide (30%) solution, Oxidizer

30-gallon fiberdrum UCSF-53

Dry laboratory waste contaminated with methyl mercury

Fiberbox UCSF-54

x 5 lb Gum guaiac
x 1 lb Petrolatum
x 1 lb Albumin
x 1 lb Aluminum ammonium sulfate
x 1 lb Ferrous sulfate
x 1 lb Boric acid crystals
x 1 lb Citric acid
x ½ lb Benzoic acid

0-gallon drum UCSF-55

x 20 gal Oil, n.o.s.

SAFETY SPECIALISTS INCORPORATED

NOT AN INVOICE

Nº _____

3284 F EDWARD AVENUE • SANTA CLARA, CALIFORNIA 95050 • TELEPHONE (408) 988-1111

University of California,
San Francisco
Accounting Office
Parnassus Avenue
San Francisco, CA 94143

Date _____

Customer Order No. 750 837G

SSI No. 00492

Terms: Net 30 days

ATERIALS

IE FOLLOWING ITEM WERE DELIVERED ON 2/15/79

ITEM	Specification	QTY	PRICE EA.	TOTAL
Gal. drum	DOT-17E			
Gal. drum	DOT-17H	10	$18.75	
Gal. drum	DOT-17H	1	$15.00	
Gal. drum	DOT-17E			
Gal. Carboy	DOT-34-5			
ooden box	DOT-15A25			
ooden box	DOT-15A65			
SORBENT	Vermiculite	13	$ 4.50	
2 Can				

ITEM	Specification	QTY	PRICE EA.	TOTAL
Fiberboard box	DOT-12A50	1	$2.00	
Fiberboard box	DOT-12A80	12	$2.00	
1 pt. Polystyrene cs.	DOT-33A			
1 qt. Polystyrene cs.	DOT-33A			
5 pt. Polystyrene cs.	DOT-33A	2	$2.50	
4x5 Polystyrene cs.	DOT-33A			
	TAXABLE TOTAL			
	Sales Tax			
	Delivery Charge			
	MATERIALS TOTAL			

CHEMICAL WASTE DISPOSAL

: FOLLOWING ITEMS WERE PICKED UP ON 2/22/79

TY		PRICE EA.	TOTAL
	Cubic ft.	$ 4.75	
	5 Gal.	$ 9.25	
	30 Gal.	$25.50	
	55 Gal.	$35.75	
	Gal.		
		DISPOSAL TOTAL	

CHEMICAL PACKAGING

PACKAGING DATE 2/15/79

16.0 HOURS @ $22.50 PER HOUR

HOURS @ PER HOUR

92 MILES @ $0.17 PER MILE

OTHER CHARGES (See Attachment)

CONSULTATION

PACKAGING TOTAL

INVOICE TOTAL

[signature]
gnature of Producer or Authorized Agent

[illegible] TITLE

[illegible] DATE

Revised Da r 1974

CALIFORNIA LIQUID WASTE HAULER RECORD

See/Tag No. _____

STATE WATER RESOURCES CONTROL BOARD
STATE DEPARTMENT OF HEALTH

PRODUCER OF WASTE (Must be filled by producer)

Name (print or type): University of California, San Francisco — Code No.

Pick up Address: 501 Parnassus Ave., San Francisco, CA 94143 (Number) (Street) (City)

Telephone Number: (415) 666-1794 P.O. or Contract No.: 750 8370

Order Placed by: Arturo Deleon Date: 6/7/79

Type of Process which Produced Wastes: Laboratory Research — Code No.
(Examples: metal plating, equipment cleaning, oil drilling, wastewater treatment, pickling bath, petroleum refining)

DESCRIPTION OF WASTE (Must be filled by producer)

Check type of wastes:

1. ☐ Acid solution
2. ☐ Alkaline solution
3. ☐ Pesticides
4. ☐ Paint sludge
5. ☐ Solvent
6. ☐ Tetraethyl lead sludge
7. ☐ Chemical toilet wastes
8. ☐ Tank bottom sediment
9. ☐ Oil
10. ☐ Drilling mud
11. ☐ Contaminated soil and sand
12. ☐ Cannery waste
13. ☐ Latex waste
14. ☐ Mud and water
15. ☐ Brine

☒ Other (Specify): See attached Sheet — Code No.

Components:
(Examples: hydrochloric acid, lime, caustic soda, phenolics, solvents (list), metals (list), organics (list), cyanide).

	Upper	Lower	%	ppm
1. See attached Sheet				
2. "				
3. "				
4. "				
5. "				
6. "				

Concentration:

Hazardous Properties of Waste:
pH ____ ☐ none ☒ toxic ☒ flammable ☒ corrosive ☐ explosive

Bulk Volume: ____ ☐ gal ☐ tons ☐ barrels (42 gal) ☐ other (specify)

Containers: 80 (Number) ☒ drums ☒ cartons ☐ bags ☒ other (specify) cans

Physical State: ☒ solid ☒ liquid ☐ sludge ☐ other (specify)

Special Handling Instructions (if any): Wear Protective clothing and keep away from heat and open flame

The waste is described to the best of my ability and it was delivered to a licensed liquid waste hauler (if applicable).

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Signature of authorized agent and title

3-55
14-30
0.3 gal/yd

HAULER OF WASTE (Must be filled by hauler)

Name (print or type): SAFETY SPECIALISTS, INCORPORATED — Code No.

Business Address: 3284 F Edward Avenue, Santa Clara, CA 95050 (Number) (Street) (City)

Telephone Number: (408) 988-1111 Pick Up: (Date) Time: ☐ am ☐ pm

State Liquid Waste Hauler's Registration No. (if applicable): 150

State Hazardous Waste Hauler's Registration No. (if applicable): 150

Job No.: ____ No. of Loads or Trips: ____ Unit No.: ____

Vehicle: ☐ vacuum truck ____ barrels, ☐ flatbed, ☒ other (specify) Van

The described waste was hauled by me to the disposal facility named below and was accepted.

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

HAZARDOUS MATERIALS SPECIALIST
Signature of authorized agent and title

DISPOSER OF WASTE (Must be filled by disposer)

Name (print or type): WPCC Dump — Code No.

Site Address: Foot of Parr Blvd., Richmond, CA

The hauler above delivered the described waste to this disposal facility and it was an acceptable material under the terms of RWQCB requirements, State Department of Health regulations, and local restrictions.

Quantity measured at site (if applicable): ____ State fee (if any): ____

See Manifest Number SSI (One of 4)

Handling Method(s):

☐ recovery

☐ treatment (specify): Calls A,B,C,D (Examples: incineration, neutralization, precipitation) — Code No.

☒ disposal (specify): ☐ pond ☒ spreading ☐ landfill ☐ injection well ☐ other (specify): Class I Site — Code No.

If waste is held for disposal elsewhere specify final location: ____

Disposal Date: 6/15/79

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Signature of authorized agent and title

The site operator shall submit a legible copy of each completed Record to the State Department of Health with monthly fee reports.

SAFETY SPECIALISTS, INCORPORATED
3284 F Edward Avenue, Santa Clara, CA 95050
Telephone (408) 988-1111

FOR INFORMATION RELATED TO SPILLS OR OTHER EMERGENCIES INVOLVING HAZARDOUS WASTE OR OTHER MATERIALS CALL (800) 424-9300.

DOT Proper Shipping Name

DATA SHEET

University of California, San Francisco
Chemicals for Disposal - June, 1979

Attached Sheet #00564

Fiberbox UCSF-1

2 x 5 pt	Sulfuric acid, Corrosive Material 18 lb
2 x 5 pt	Corrosive liquid, n.o.s. (Sulfuric acid - chromerge mixture), 18 lb

Fiberbox UCSF-2

4 x 5 pt	Corrosive liquid, n.o.s. (Sulfuric acid - chromerge mixture), 36 lb
1 x 1 qt	Corrosive liquid, n.o.s. (Sulfuric acid - dichromate mixture), 2 lb

Fiberbox UCSF-3

4 x 5 pt	Corrosive liquid, n.o.s. (Sulfuric acid - chromerge mixture), 36 lb

Fiberbox UCSF-4

4 x 5 pt	Hydrochloric acid, Corrosive Material, 24 lb

Fiberbox UCSF-5

[illegible] x 5 pt	Hydrochloric acid, Corrosive Material, 24 lb
1 x 1 pt	Hydrobromic acid, Corrosive Material, 1 lb

Fiberbox UCSF-6

4 x 5 pt	Corrosive liquid, n.o.s. (Sulfuric acid - chromerge mixture), 36 lb

Fiberbox UCSF-7

2 x 1 lb	Acetic anhydride, Corrosive Material
1 x 1 lb	Formic acid, Corrosive Material

Fiberbox UCSF-8

6 x 1 lb	Sodium sulfide

55-gallon drum UCSF-9

2 x 1 gal	Ethyl alcohol, Flammable Liquid, 14 lb
1 x 1 gal	Isopropanol, Flammable Liquid, 14 lb
2 x 1 gal	Flammable liquid, n.o.s. (Xylene-isopropanol mixture), 16 lb

55-gallon drum UCSF-9 (Continued)

7 x 1 gal	Flammable liquid, n.o.s. (Acetonitrile-methanol mixture) 56 lb
1 x 1 gal	Flammable liquid, n.o.s. (Tetrahydrofuran-methanol-ether mixture), 7 lb
1 x 1 pt	Xylene, Flammable Liquid, 1 lb
1 x 1 pt	Alcohol, n.o.s., Combustible Liqu
1 x 100 g	Propylene oxide, Flammable Liquid
1 x 100 g	Ethyl acetate, Flammable Liquid
1 x 25 g	Methyl ethanesulfonate
1 x 1 gal	Chloroform, ORM-A, 9 lb
1 x 1 gal	Flammable liquid, n.o.s. (Benzene ethylene dichloride waste), 4 l
1 x 100 g	Flammable liquid, n.o.s. (N,N,N', Tetramethylethylenediamine)
1 x 4 oz	Olive oil
4 x 1 lb	Ether, Flammable Liquid
3 x 1 pt	Solvent, n.o.s., Flammable Liquid
1 x ½ lb	Glass helices
1 x 100 g	Ethylene glycol monomethyl ether, Combustible Liquid
1 x 1 lb	Pyridine, Flammable Liquid
2 x 100 g	2,4,6-Collidine

55-gallon drum UCSF-10

7 x 1 gal	Solvent, n.o.s. (Methanol-chloroform mixture), 50 lb
1 x 1 gal	Acetonitrile, Flammable Liquid, 7 lb
1 x 1 gal	Acetone, Flammable Liquid, 7 lb
1 x 1 gal	Petroleum ether, Flammable Liquid 5 lb
1 x 1 gal	Chloroform, ORM-A, 9 lb
1 x 1 gal	Ethylene glycol monomethyl ether, Combustible Liquid
1 x 3 Kg	Polyethylene glycol 400 distearate
1 x ½ lb	Alcohol, n.o.s. (1-Octanol), Combustible Liquid
1 x 100 g	Flammable liquid, n.o.s. (2-methyltetrahydrofuran)
1 x 1 gal	Methyl mercury hydroxide
1 x 1 pt	Chloromethyl methyl ether
5 x 100 g	Phenylhydrazine
1 x 1 pt	Phenylhydrazine

DATA SHEET

University of California, San Francisco
Chemicals for Disposal - June, 1979 (Continued)

Attached Sheet # 00564

30-gallon fiberdrum UCSF-11

50 lb	Dry lab waste (paper towels and glassware) contaminated with trace amounts of methyl mercury hydroxide and epon resin

30-gallon fiberdrum UCSF-12

75 lb	Dry lab waste (pipets and petri plates) contaminated with trace amounts of benzo(a)pyrene, ethyl methane sulfonate, and benz(a)-anthracene

Fiberbox UCSF-13

1 x 5 pt	Corrosive liquid, n.o.s. (Sulfuric acid-chromerge mixture), 3 lb

Fiberboxes UCSF-14 and UCSF-15 each contain:

4 x 5 pt	Corrosive liquid, n.o.s. (Sulfuric acid - chromerge mixture), 36 lb

gallon drum UCSF-16

2 gal	Ethyl alcohol, Flammable Liquid

Fiberbox UCSF-17

1 x 1 lb	Trichloroacetic acid solution, Corrosive Material, "Ltd. Qty."
3 x 1 lb	Trichloroacetic acid, solid, Corrosive Material, "Ltd. Qty."

Fiberbox UCSF-18

3 x 100 g	Hydrobromic acid not more than 49% strength, "Ltd. Qty."

1-pint polystyrene case UCSF-19

1 x 1 lb	Nitric acid, Oxidizer

Fiberbox UCSF-20

2 x 1 lb	Hydrochloric acid, Corrosive Material
1 x 1 lb	Phosphoric acid, Corrosive Material

Fiberbox UCSF-21

4 x 1 lb	Acid liquid, n.o.s. (Phosphomolybdic acid), Corrosive Material
1 x 1 pt	Hydrofluoric acid solution, Corrosive Material, "Ltd. Qty.

Fiberbox UCSF-22

1 x 1 pt	Titanium tetrachloride, Corrosiv Material, "Ltd. Qty."
1 x 1 pt	Corrosive liquid, n.o.s., (Titanium trichloride), Corrosive Material, "Ltd. Qty.

Wooden box UCSF-23

5 x 100 g	Hydrazine, aqueous solution, Corrosive Material
1 x 500 g	Hydrazine, aqueous solution, Corrosive Material

Wooden box UCSF-24

1 x 100 g	Dimethylhydrazine, unsymetrical, Flammable Liquid

Wooden box UCSF-25

2 x 1 lb	Bromine, Corrosive Material
3 x ¼ lb	Bromine, Corrosive Material

Wooden box UCSF-26

1 x 25 g	Phosphorus oxychloride, Corrosive Material
2 x 1 lb	Phosphorus trichloride, Corrosive Material
1 x 2 lb	Phosphorus trichloride, Corrosive Material

Wooden box UCSF-27

1 x 500 g	Phosphorus tribromide, Corrosive Material

Wooden box UCSF-28

1 x 1 lb	Ethylene imine, inhibited, Flamma Liquid
1 x 100 g	Ethylene imine, inhibited, Flamma Liquid
1 x 85 g	Ethylene imine, inhibited, Flamma Liquid

DATA SHEET

University of California, San Francisco
Chemicals for Disposal - June, 1979 (Continued)

Attached Sheet #00564

Wooden box UCSF-29

2 x 100 g	Chloroacetyl chloride, Corrosive Material
1 x 5 g	Chloroacetyl chloride, Corrosive Material

Wooden box UCSF-30

1 x 500 g	Dimethyldichlorosilane, Flammable Liquid
1 x 25 g	Dimethyldichlorosilane, Flammable Liquid

Wooden box UCSF-31

1 x 100 g	Trimethylchlorosilane, Flammable Liquid

Wooden box UCSF-32

1 x 100 g	Ethyl chloroformate, Flammable Liquid
1 x 100 g	Methyl chloroformate, Flammable Liquid

Fiberbox UCSF-33

1 x 1 Kg	Acid liquid, n.o.s., (Triflucro-acetic acid), Corrosive Material
1 x 1 Kg	Acetic acid, Corrosive Material
1 x 10 g	Acid liquid, n.o.s. (Trifluoro-methanesulfonic acid), Corrosive Material
1 x 5 g	Acid liquid, n.o.s. (Mercaptoacetic acid), Corrosive Material
1 x 100 g	Corrosive liquid, n.o.s. (Benzene-sulfonyl-chloride), Corrosive Material
1 x 25 g	Acid liquid, n.o.s. (Trifluoro-acetic acid), Corrosive Material
1 x 5 g	Corrosive liquid, n.o.s. (Decylamine), Corrosive Material
1 x 50 g	Thioglycolic acid

Wooden box UCSF-34

2 x 25 g	Poisonous liquid, n.o.s. (Tetra-butyllead), Poison B

Fiberbox UCSF-35

1 x 500 g	Flammable solid, n.o.s. (Sodium dithionite), "Ltd. Qty."
2 x 1 lb	Sodium amide

Wooden box UCSF-36

1 x 100 g	Iodine monochloride, Corrosive Material

Wooden box UCSF-37

2 x 100 g	Cyanogen bromide, Poison B
5 x 25 g	Cyanogen bromide, Poison B

Fiberbox UCSF-38

1 x 1 gal	Alkaline corrosive liquid, Corrosive Material, 6 lb

Fiberbox UCSF-39

4 x 1 gal	Organic azide solution

5-gallon fiberdrum UCSF-40

25 lb	Boric acid

30-gallon fiberdrum UCSF-41

50 lb	Tricyclohexyltin hydroxide

15-gallon drum UCSF-42

1 x 15 gal	Safety solvent

15-gallon drums UCSF-43, UCSF-44, UCSF-45, and UCSF-46

4 x 15 gal	Pump oil

30-gallon drums UCSF-47, UCSF-48, UCSF-49, UCSF-50, UCSF-51, and UCSF-52

6 x 30 gal	Entec solvent 740

30-gallon drums UCSF-53, UCSF-54, UCSF-55, UCSF-56, and UCSF-57

5 x 30 gal	Waste pump oil

55-gallon drums UCSF-58 and UCSF-59

2 x 55 gal	Waste pump oil

DATA SHEET

University of California, San Francisco
Chemicals for Disposal - June, 1979 (Continued)

Attached Sheet # 00564

Fiberbox UCSF-60

1 x 2.5 gal	Photographic stabilizer
1 x 1 qt	Saline
1 x 1 pt	Wright's stain
1 x 100 g	Potassium tartrate
1 x 1 lb	Dextrose
1 x 1 oz	Guaiacol carbonate
1 x 1 oz	Glycin photo

Fiberbox UCSF-61

1 x 1 pt	Ammonium hydroxide solution, Corrosive Material, 1 lb
2 x 1 pt	Barium hydroxide solution (dilute)
3 x 1 lb	Sodium hydroxide, dry solid, Corrosive Material
1 x ¼ lb	Aluminum hydroxide

Fiberbox UCSF-62

. x 1 pt	Mall's solution
! x 1 pt	Waste uranyl
! ~ 1 pt	Lead wastes
. 1 pt	Dextrose solution
. x 1 pt	Lead nitrate solution (2%)
. x 100 g	Diazald

Fiberbox UCSF-63

x 1 pt	Acrylamide solution
x 25 g	N-methyl-N'-nitro-N-nitroso-guanidine
x 1 ml	Osmium tetroxide

Fiberbox UCSF-64

x 1 gal	Solvent, n.o.s., Flammable Liquid, 7 lb

iberbox UCSF-65

x 1 gal	Bouin's solution

iberbox UCSF-66

x 1 gal	Duplicating hydrocolloid

iberbox UCSF-67

x 1 lb	Acetic anhydride, Corrosive Material
.. 1 lb	Corrosive liquid, n.o.s., Corrosive Material
x 100 g	Dodecenyl succinic anhydride

Fiberbox UCSF-68

1 x 1 pt	Ammonium sulfide solution
2 x 1 lb	Sodium hydroxide, dry solid, "Ltd. Qty."
1 x 1 lb	Sodium cyanide, solid, Poison B, "Ltd. Qty."

Wooden box UCSF-69

1 x 450 g	Benzoyl peroxide, Organic Peroxi

Fiberbox UCSF-70

1 x 500 g	Thionyl chloride, Corrosive Material

Fiberbox UCSF-71

1 x 1 qt	Aniline oil, liquid, Poison B, 1 lb
1 x 100 g	Aniline oil, liquid, Poison B,

Fiberbox UCSF-72

1 x 100 g	Sodium azide, Poison B, "Ltd. Qt
1 x 1 pt	Stain
1 x ¼ lb	Sodium azide solution (0.4%)
1 x 1 g	Congo Red Indicator

Fiberbox UCSF-73

1 x 250 g	Cumene hyperoxide, Organic Peroxide, "Ltd. Qty."

Wooden box UCSF-74

1 x 25 g	Tetranitromethane, Oxidizer

Fiberbox UCSF-75

25 lb	Chemical waste bottles : Empty : Last contained sulfuric acid

Fiberbox UCSF-76

2 x 1 pt	Acid liquid, n.o.s., Corrosive Material
10 lb	Miscellaneous unregulated lab chemicals

Fiberbox UCSF-77

5 lb	Dry lab waste

DATA SHEET

University of California, San Francisco
Chemicals for Disposal - June, 1979 (Continued)

Attached Sheet # 00564

5-gallon drums UCSF-78 and UCSF-79

2 x 5 gal	Soda ash

55-gallon drum UCSF-80

3 x 1 gal	Flammable liquid, n.o.s. (Acetone - petroleum ether mixture), 25 lb
1 x 1 gal	Chloroform, ORM-A, 10 lb
11 x 1 gal	Flammable liquid, n.o.s. (Methanol - ethanol - petroleum ether - chloroform mixture), 80 lb
1 x 1 gal	Combustible liquid, n.o.s. (Stoddard solvent), 5 lb
1 x ¼ lb	Butyl cellosolve
2 x 1 oz	Snake venom
2 x 100 g	Combustible liquid, n.o.s. (2-mercapto-ethanol)
1 x 1 gal	Xylene, Flammable Liquid, 8 lb
1 x 1 gal	Acetone, Flammable Liquid, 8 lb
1 x 6 lb	Glycerin
1 x 1 lb	Flammable liquid, n.o.s. (Ether - petroleum ether mixture)
2 x 1 pt	Acetone, Flammable Liquid, 2 lb
x 2 oz	Methanol, Flammable Liquid
2 x 1 lb	Formalin, ORM-A
1 x 25 g	Monoethyl adipate

NUCLEAR ENGINEERING COMPANY, INC.
P.O. Box 7246 • Louisville, Kentucky 40207
(502) 426-7160

☐ P.O. Box 146
[illegible]ehead, Kentucky 40351
[illegible]) 784-6611

☒ Western Operations Headquarters
P.O. Box 156
San Ramon, California 94583
(415) 837-1561

☐ P.O. Box 578
Beatty, Nevada 89003
San Ramon
(415) 837-1561

☐ P.O. Box 158
Sheffield, Illinois 61361
(815) 454-2624

☐ P.O. Box 638
Richland, Washington 99352
San Ramon
(415) 837-1561

01932

MATERIALS TRANSFER FORM

CUSTOMER: U.C.M.C.

↓ PICKED UP ↓

QUAN.	CONTAINER	SOLID	LIQUID	REMARKS
18	55 GAL. DRUMS.	X		CHEM.
1	30 GAL DRUM	X		CHEM.
5	5 GAL CANS	X		CHEM
1	5 GAL. CANS		X	CHEM.

[illegible]ELIVERED ↓

QUAN.	CONTAINER	SOLID	LIQUID	REMARKS
20	~~35~~ 30 GAL. DRUMS			
30	BAGS OF ZONOLITE			
2	MEN @ 15.00 HR. PER	MAN		2 HRS.
5	5 GAL. CANS			

OTHER DATA

Date 6/1/76 Received by [illegible]

CUSTOMER

NUCLEAR ENGINEERING COMPANY, INC.

an Ramon Warehouse
15-837-1561

P.O. Box 4308
Walnut Creek, California 94596
415-933-0770

Beatty, Nevad
702-553-2203

HAZARDOUS WASTE SHIPMENT RECORD FORM

ustomer H. C. M. C. Date 6/24 19

ddress S. F. Page _____ of _____ pages

INSTRUCTIONS

Your representative and a NECO representative must sign this form after inspection. In addition, proper DOT and/o Bureau of Explosives labeling is required.

DISCLAIMER: Title to all materials which were previously owned by the customer or supplier contained in waste furnished for burial as listed on this form or under this contract shall be deemed to be vested in Nuclear Engineering Company, Inc. upon delivery to our facilities or placed aboard our vehicle. The customer or supplier shall have no right to the recovery of any material contained in such waste nor any credit for their potential value.

Item No.	Type* Container	Physical State**	DESCRIPTION OF MATERIAL	MAJOR HAZARD (✓) Label				VOLUME	
				Poison	Corrosive	Other***	Flammable	Gallons	Cu. Ft.
[illegible]	[illegible]	[illegible]	Poison (NOS)	X				[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	Acids (NOS)		X			[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	Flammable (NOS)				X	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	Flammable (NOS)				X	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	Nitric Acid		X			[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	Perchloric Acid		X			[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	Poison (NOS)	X				[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	Flammable (NOS)				X	[illegible]	
							TOTALS		

his is to certify that the above named articles are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Dept. of Transportation.

[illegible]
n, Box, Glass, Wood, etc.
Solid, Sludge, Liquid, or Gas
*Describe

SHIPPER _____ RECEIVED BY _____

DISTRIBUTION: White-NECO; Yellow-Transportation, Pink-Customer, Goldenrod-Invoice

Revised Dec. 1974

CALIFORNIA LIQUID WASTE HAULER RECORD

See/Tag No. _____

STATE WATER RESOURCES CONTROL BOARD
STATE DEPARTMENT OF HEALTH

PRODUCER OF WASTE (Must be filled by producer)

Name (print or type): Univ. of Calif.-San Francisco — Code No.

Pick up Address: 501 Parnassus Ave., San Francisco, CA 94143 (Number) (Street) (City)

Telephone Number: 415 666-1300 P.O. or Contract No.: 750 837G

Order Placed By: Arturo deLeon Date: 9/26/78

Type of Process which Produced Wastes: Laboratory Research

(Examples: metal plating, equipment cleaning, oil drilling--Code No. wastewater treatment, pickling bath, petroleum refining)

DESCRIPTION OF WASTE (Must be filled by producer)

Check type of wastes:

1. [X] Acid solution
2. [ ] Alkaline solution
3. [ ] Pesticides
4. [ ] Paint sludge
5. [X] Solvent
6. [ ] Tetraethyl lead sludge
7. [ ] Chemical toilet wastes
8. [ ] Tank bottom sediment
9. [X] Oil
10. [ ] Drilling mud
11. [ ] Contaminated soil and sand
12. [ ] Cannery waste
13. [ ] Latex waste
14. [ ] Mud and water
15. [ ] Brine

[X] Other (Specify) See attached — Code No.

Components: (Examples--Hydrochloric acid, lime, caustic soda, phenolics, solvents (list), metals (list), organics (list), cyanide)

	Concentration: Upper	Lower	%	ppm
1. See attached				
2.				
3.				
4.				
5.				
6.				

Hazardous Properties of Waste: pH ____ [ ] none [X] toxic [X] flammable [X] corrosive [ ] explosive

Bulk Volume: ____ [ ] gal [ ] tons [ ] barrels (42 gal) [ ] other (specify)

Containers: 4 (Number) [X] drums [X] cartons [ ] bags [ ] other (specify)

Physical State: [X] solid [X] liquid [ ] sludge [ ] other (specify)

Special Handling Instructions (if any): Wear protective clothing; keep away from open flames.

The waste is described to the best of my ability and it was delivered to a licensed liquid waste hauler (if applicable).

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Arturo deLeon
Signature of authorized agent and title

HAULER OF WASTE (Must be filled by hauler)

Name (print or type): SAFETY SPECIALISTS, INCORPORATED — Code No.

Business Address: 3284 F Edward Avenue, Santa Clara, CA 95050 (Number) (Street) (City)

Telephone Number: (408) 988-1111 Pick Up: 10/3/78 (Date) Time: : [ ] am [ ] pm

State Liquid Waste Hauler's Registration No. (if applicable): 150

State Hazardous Waste Hauler's Registration No. (if applicable): 150

Job No.: ____ No. of Loads or Trips: ____ Unit No.: ____

Vehicle: [ ] vacuum truck ____ barrels, [ ] flatbed, [X] other Van (specify)

The described waste was hauled by me to the disposal facility named below and was accepted.

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Ken Wilkins
HAZARDOUS MATERIALS SPECIALIST
Signature of authorized agent and title

DISPOSER OF WASTE (Must be filled by disposer)

Name (print or type): WCCC Dump — Code No.

Site Address: Foot of Parr Blvd., Richmond, CA

The hauler above delivered the described waste to this disposal facility and it was an acceptable material under the terms of RWQCB requirements, State Department of Health regulations, and local restrictions.

Quantity measured at site (if applicable): ____ State fee (if any): N/A

See Manifest Number SSI 00416

Handling Method(s):

[ ] recovery

[ ] treatment (specify): Cells A,B,C

(Examples: incineration, neutralization, precipitation)--Code No.

[X] disposal (specify): [ ] pond [X] spreading [ ] landfill [ ] injection well [ ] other (specify): Class I site — Code No.

If waste is held for disposal elsewhere specify final location: ____

Disposal Date: 10/3/78

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Signature of authorized agent and title

The site operator shall submit a legible copy of each completed Record to the State Department of Health with monthly fee reports.

SAFETY SPECIALISTS, INCORPORATED
3284 F Edward Avenue, Santa Clara, CA 95050
Telephone (408) 988-1111

FOR INFORMATION RELATED TO SPILLS OR OTHER EMERGENCIES INVOLVING HAZARDOUS WASTE OR OTHER MATERIALS CALL (800) 424-9300.

See Attached Sheet #00417

DOT Proper Shipping Name

DATA SHEET

University of California, San Francisco
hemicals for Disposal - September, 1978

SSI Attached Sheet #00417

55-gallon drum UCSF-1

1 x 1 gal Toluene, Flammable Liquid
1 x 1 gal Xylene, Flammable Liquid
1 x 1 gal Isopropanol, Flammable Liquid
2 x 1 gal Flammable liquid, n.o.s. (Xylene-Isopropanol mixture), Flammable Liquid
1 x 1 gal Acetone, Flammable Liquid
1 x 1 gal Dioxane, Flammable Liquid
1 x 1 gal Methanol, Flammable Liquid
1 x 1 Kg Flammable liquid, n.o.s. (Valeraldehyde), Flammable Liquid
1 x 1 Kg Alcohol, n.o.s. (Pentyl alcohol), Combustible Liquid
1 x 1 qt Bromobenzene, Combustible Liquid
1 x 1 pt Combustible liquid, n.o.s. (Ethylene glycol dimethyl ether), Combustible Liquid
2 x 1 pt Flammable liquid, n.o.s. (Scintillation cocktail), Flammable Liquid
1 x 1 pt Alcohol, n.o.s. (Octanol), Flammable Liquid
1 x 1 pt Flammable liquid, n.o.s. (Aquasol), Flammable Liquid
1 x 1 pt Heptane, Flammable Liquid
2 x 1 pt Propylene oxide, Flammable Liquid
2 x 1 gal Ethyl alcohol, Flammable Liquid
3 x 1 gal Solvent, n.o.s., Combustible Liquid
1 x 1 gal Combustible liquid, n.o.s. (Ethylene glycol ethyl ether), Combustible Liquid
3 x 1 gal Oil, n.o.s.
1 x 1 pt Ethyl alcohol, Flammable Liquid
6 x 1 qt Oil, n.o.s.
1 x 1 Kg Methyl ethyl ketone, Flammable Liquid
1 x 1 qt Xylene, Flammable Liquid
2 x 5 pt Formalin, ORM-A
1 x 1 pt Triethylamine, Flammable Liquid
1 x 1 pt Gasoline, Flammable Liquid

55-gallon drum UCSF-2

1 x 5 gal Oil, n.o.s.
1 x 1 gal Benzene, Flammable Liquid
2 x 1 gal Toluene, Flammable Liquid
1 x 1 gal Dioxane, Flammable Liquid
1 x 1 gal Amyl acetate, Flammable Liquid
1 x 5 pt Solvent, n.o.s., Flammable Liquid
1 x 1 qt Crotonaldehyde, Flammable Liquid

55-gallon drum UCSF-2 (Continued)

1 x 1 qt Furfural, Combustible Liquid
1 x 1 pt Alcohol, n.o.s. (tert-Amyl alcohol) Combustible Liquid
1 x 1 pt Acetone, Flammable Liquid
1 x 1 pt Butyl alcohol, Flammable Liquid
1 x 1 gal Ethylene dichloride, Flammable Liquid
7 x 1 gal Solvent, n.o.s., Flammable Liquid
1 x 5 pt Solvent, n.o.s., Flammable Liquid
1 x 1 qt Heptanes, Flammable Liquid
1 x 1 pt Ethylene dichloride, Flammable Liquid
1 x 500 g 2-Ethyl butyraldehyde, Flammable Liquid
1 x 1 Kg Combustible liquid, n.o.s. (Anisole), Combustible Liquid
1 x 500 g Cinnamaldehyde
4 x ½ lb Ether, Flammable Liquid
2 x ¼ lb Ether, Flammable Liquid

55-gallon drum UCSF-3

3 x 1 gal Solvent, n.o.s., Flammable Liquid
6 x 1 gal Solvent, n.o.s., Combustible Liquid
1 x 5 pt Solvent, n.o.s., Combustible Liquid
2 x 1 pt Epon waste
1 x 1 pt Bromoethanol
1 x 1 pt Formalin, ORM-A
2 x 1 gal Formamide
1 x 1 gal Araldite 506 epoxy resin
1 x 1 gal Chloroform, ORM-A
2 x 1 gal Flammable liquid, n.o.s. (Scintillation fluid), Flammable Liquid
2 x 5 pt Oil, n.o.s.
1 x 1 gal Oil, n.o.s.
1 x 1 qt Butanediol
2 x 1 Kg Diethylene glycol
1 x 1 pt Isopropanol, Flammable Liquid
1 x 100 g Diethyl pyrocarbonate
1 x 100 g Diglycidyl ether of polypropylene glycol
1 x 500 ml Dimethylsulfoxide
1 x 500 g Diglycidyl ether of polypropylene glycol
1 x 1 pt Dioxane, Flammable Liquid
1 x 1 pt Vinylcyclohexene dioxide
1 x 1 pt Toluene, Flammable Liquid

University of California, San Francisco
Chemicals for Disposal - September, 1978 (Continued)

SSI Attached Sheet #00417

55-gallon drum UCSF-4

2 x 1 gal Acetone, Flammable Liquid
9 x 1 gal Solvent, n.o.s., Flammable Liquid
6 x 1 gal Oil, n.o.s.
1 x 1 gal Flammable liquid, n.o.s. (Aquasol), Flammable Liquid
1 x 1 gal Dichloromethane, ORM-A
1 x 1 gal Araldite 506 epoxy resin
3 x 1 gal Solvent, n.o.s., Combustible Liquid
1 x 5 pt Alcohol, n.o.s., Flammable Liquid
1 x 5 pt Formalin, ORM-A
1 x 1 pt Combustible liquid, n.o.s. (2-Mercaptoethanol), Flammable Liquid
1 x 500 g N,N-Dimethylformamide
1 x 1 pt Pyridine, Flammable Liquid
1 x 1 pt Flammable liquid, n.o.s. (Trimethylamine-Ethanol mixture), Flammable Liquid
1 x 1 lb Butyl ether, Flammable Liquid
1 x 250 g 3-Methoxypropylamine
1 x 1 pt Flammable liquid, n.o.s. (Scintillation fluid), Flammable Liquid
1 x 1 pt Epoxy resin
1 x 1 pt Combustible liquid, n.o.s. (2-Aminoethanol), Combustible Liquid
1 x 10 g Vinylcyclohexene dioxide
4 x 1 pt Epoxy resin

55-gallon drum UCSF-5

1 x 1 gal Propylene oxide, Flammable Liquid
2 x 1 gal Solvent, n.o.s., Combustible Liquid
1 x 1 pt Propionitrile, Flammable Liquid
1 x 1 pt Ethylene glycol monomethyl ether, Combustible Liquid
1 x 1 pt Propylene glycol
1 x 1 gal Hydroxypropyl methacrylate
1 x 1 pt Toluene, Flammable Liquid
1 x 10 g Pyrrolidine, Flammable Liquid
1 x 1 pt Pyridine, Flammable Liquid
1 x 1 pt Phorone
1 x 500 g Methyl thioglycolate
1 x 100 g 1,2-Ethanedithiol
2 x 1 pt GMA waste
1 x 1 qt Solvent, n.o.s., Combustible Liquid
1 x 100 g Quinoline
1 x 1 pt Uranyl acetate
4 x 1 pt Solvent, n.o.s., Combustible Liquid
68 x ½ lb Ether, Flammable Liquid

30-gallon drum UCSF-6

1 x 5 lb Ammonium sulfate
1 x 5 lb Sodium sulfate
1 x 5 lb Cupric sulfate
1 x 5 lb Cupric acetate
1 x 1 lb Talcum powder
3 x 1 lb Cupric acetate
1 x 1 lb Permutit
1 x 1 Kg Naphthalene
1 x 1 lb Disodium ethylene-dinitrolo-tetraacetate
1 x 500 g Calcium gluconate
1 x 1 lb Choline chloride
3 x 4 oz Antipyrine
1 x 250 g N-Acetylsulfanilyl chloride
1 x 25 g α-Bromo-p-nitrotoluene
1 x 100 g Betaine
1 x 10 g N,N-Dimethyl-p-nitrosoaniline
1 x 5 lb Citric acid
1 x 1 lb D-Glucose
1 x 500 g Phenacetin
1 x 100 g Benzhydrol
1 x 100 g Barbitol powder
1 x 100 g Piperazine citrate
2 x 100 g Salicylic acid
1 x 1 oz Saccharated pepsin
1 x 25 g N-1-Naphthylethylene-diamine dihydrochloride
1 x 10 g 1,2-Naphthoquinone
1 x ½ lb 8-Hydroxyquinoline
1 x 25 g N-1-Naphthylene-diamine dihydrochloride
1 x 5 g Predrisone powder
1 x 25 g Inositol
1 x 100 g Piperazine citrate
1 x 1 g 1-(2-Pyridylazo)-2-naphthol
1 x 1 g Sodium 2,6-Dichlorobenzenone indophenol
1 x 10 g Silver tetrafluoroborate
6 x 500 mg Brevital sodium
1 x 5 g Trimeprazine tartrate
1 x 5 g Destpramine hydrochloride
1 x 250 mg Homovanillic acid powder
1 x 5 g MO-911 powder
1 x 5 g Tetrabenazine base
1 x 1 g Syrosingopine
1 x 500 g Quinine sulfate
2 x 1 lb Phosphorus pentoxide
1 x 5 g 1,3-Dichloro-2-propanone
1 x 1 lb Sodium methoxide

DATA SHEET

University of California, San Francisco
Chemicals for Disposal - September, 1978 (Continued)

SSI Attached Sheet #00417

30-gallon drum UCSF-6 (Continued)

1 x 1 lb Tannic acid powder
1 x 1 lb Calamine
1 x 1 lb Sodium amide
1 x 500 g Pyridine hydrochloride
1 x 500 g o-Benzoic sulfimide
1 x 500 g Citric acid powder
1 x 100 g Benzyl disulfide
1 x 100 g p-Aminosalicylic acid
1 x 100 g Anthraquinone
1 x 10 g Girard T reagent
1 x 50 g N-Bromosuccinimide
1 x 20 g Aniline red
1 x 1 g 2,2'-Bipyridine
1 x 100 g p-Hydroxybenzoic acid
1 x 1 g Blue tetrazolium powder
1 x 25 g p-Aminoacetophenone
1 x 5 g 2,4-Dinitrobenzoic acid
1 x 50 g Cyanoacetic acid powder
1 x 1 lb Sodium methylate
1 x 100 g Benzamidine hydrochloride hydrate
1 x 1 lb Benzoic anhydride powder
1 x 25 g PPO
1 x 16 oz Standard lithium solution
1 x 25 g Thymol iodide
1 x 16 oz Phosphate standard

30-gallon drum UCSF-7

1 x 5 gal Isotonic saline
1 x 500 g Acrylamide
1 x 100 g N,N'-Methylenebisacrylamide
3 x 1 qt Osmium waste
1 x 5 lb Tolyene diisocyanate
1 x 100 g Mannex-CM
1 x 12.5 g Cyclohexyl isocyanate
1 x 5 g Sodium phosphate
1 x 100 g Iodomethane
1 x 5 g Phenylmethyl sulfonylfluoride
1 x 10 g Potassium cyanate
1 x 1 lb Antimony trichloride
1 x 4 oz Anti-foam spray
1 x 1 lb Trioxymethylene
19 x 20,000 units Heparin
1 x 4 oz Phenylhydrazine hydrochloride
1 x 1 lb Norton alundum
1 x 250 g 4,5-Dihydroxy-2,7-naphthalene disulfonic acid disodium
1 x 1 lb Gastric mucin
1 x 1 lb Dowicide G

30-gallon drum UCSF-7 (Continued)

1 x 1 lb Lactalbumin
1 x 1 lb Bactoagar
1 x 1 lb Superwhite #37
1 x ¼ lb Ionagar #2
1 x 100 g Agar
1 x 2 g Merthiolate powder
1 x 50 mg Purinethol
1 x 500 g Maleic acid powder
2 x 5 g Ammonium persulfate
1 x 1 lb Tragacanth powder
1 x 100 g 2-Mercaptoethylamine
1 x 25 g N,N-Dimethyl-p-phenylazoaniline
1 x 25 g N,N'-Methylenebisacrylamide
1 x 10 g beta-Naphthyl acetate
1 x 25 g Benzidine
1 x 1 g 3-Methylcholanthrene
1 x 1 g Colchicine
1 x 1 g Eserine sulfate
2 x 1 g 3-Methylcholanthrene
1 x 15 g Alum powder
1 x 5 g Sodium alpha-naphthyl acid phosphate
1 x 1 g 1,2,5,6-Dibenzanthracene
1 x 1 g Nitro blue tetrazolium
1 x 1 g Popop
1 x 1 oz Platinum chloride solution
1 x 10 g Palladium on calcium carbonate

5-gallon carboys UCSF-8 through UCSF-14

7 x 5 gal Acid liquid, n.o.s., Corrosive

Containers UCSF-15 through UCSF-19 contain dry laboratory waste (pipets, Kimwipes, petr plates, etc.) contaminated with the listed carcinogens and mutagens:

55-gallon drums UCSF-15 and UCSF-16

Trace amounts: Benzo(a)pyrene
Ethyl methane sulfonate
MNNG
N-Nitrosoguanidine

30-gallon drums UCSF-17 through UCSF-19

Trace amounts: Benzo(a)pyrene
Ethyl methane sulfonate
MNNG
N-Nitrosoguanidine

University of California, San Francisco
Chemicals for Disposal - September, 1978 (Continued)

SSI Attached Sheet #00417

Boxes UCSF-20 through UCSF-24

5 x 5 lb Dry lab waste

Box UCSF-25

2 x 5 lb Sodium dichromate
25 x 25 ml Chromic acid solution, Corrosive, Ltd. Qty.

Box UCSF-26

20 x 1 pt Silver nitrate solution

Box UCSF-27

5 x 1 pt Phenol, liquid, Poison B, Ltd. Qty.
1 x 1 lb Phenol, solid, Poison B, Ltd. Qty.
1 x 25 g Phenylhydrazine
1 x 25 g Poisonous liquid, n.o.s. (Thallous Ethoxide), Poison B, Ltd. Qty.
1 x 5 g Sodium azide, solid, Poison B, Ltd. Qty.
2 x 100 g Diethyl bromomalate
1 x 100 g Butyl nitrite
1 x 25 g Poisonous solid, n.o.s. (Phenylmercuric acetate), Poison B, Ltd. Qty.

Boxes UCSF-28 and UCSF-29

24 cans Dichlorodifluoromethane spray

Box UCSF-30

4 x 5 pt Acetic acid, glacial, Corrosive
1 x 5 pt Acid liquid, n.o.s., Corrosive

30-gallon drums UCSF-31 through UCSF-34

4 x 30 gal Oil, n.o.s.

Box UCSF-35

1 x 5 gal Isotonic saline

Boxes UCSF-36 through UCSF-46

11 boxes containing acid contaminated bottles

Revised Dec 1974

CALIFORNIA LIQUID WASTE HAULER RECORD

Disposal Site See/Tag No. _____

STATE WATER RESOURCES CONTROL BOARD
STATE DEPARTMENT OF HEALTH

PRODUCER OF WASTE (Must be filled by producer)

Name (print or type): Univ. of Calif. - San Francisco (Code No.)

Pick up Address: 501 Parnassus Ave., San Francisco, CA 94143 (Number) (Street) (City)

Telephone Number: 415)666-1300 P.O. or Contract No.: 750 8376

Order Placed By: Arturo DeLeon Date: 8/26/78

Type of Process which Produced Wastes: Laboratory Research (Code No.)
(Examples: metal plating, equipment cleaning, oil drilling wastewater treatment, pickling bath, petroleum refining)

DESCRIPTION OF WASTE (Must be filled by producer)

Check type of wastes:

1. ☐ Acid solution
2. ☐ Alkaline solution
3. ☐ Pesticides
4. ☐ Paint sludge
5. ☐ Solvent
6. ☐ Tetraethyl lead sludge
7. ☐ Chemical toilet wastes
8. ☐ Tank bottom sediment
9. ☐ Oil
10. ☐ Drilling mud
11. ☐ Contaminated soil and sand
12. ☐ Cannery waste
13. ☐ Latex waste
14. ☐ Mud and water
15. ☐ Brine

☒ Other (Specify) See attached Sheet (Code No.)

Components:
(Examples: Hydrochloric acid, lime, caustic soda, phenolics, solvents (list), metals (list), organics (list), cyanide)

	Concentration: Upper	Lower	%	ppm
1. See attached Sheet				
2. "				
3. "				
4. "				
5. "				
6. "				

Hazardous Properties of Waste:
pH ____ ☐ none ☒ toxic ☒ flammable ☒ corrosive ☐ explosive

Bulk Volume: ____ ☐ gal ☐ tons ☐ barrels (42 gal) ☐ other (specify)

Containers: 48 (Number) ☒ drums ☒ cartons ☐ bags ☒ other cans (specify)

Physical State: ☒ solid ☒ liquid ☐ sludge ☐ other (specify)

Special Handling Instructions (if any): Wear protective clothing and keep away from open flames

A-55
B-30
.0 cu.yd.

The waste is described to the best of my ability and it was delivered to a licensed liquid waste hauler (if applicable).

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Arturo L. DeLeon

HAULER OF WASTE (Must be filled by hauler)

Name (print or type): SAFETY SPECIALISTS, INCORPORATED (Code No.)

Business Address: 3284 F Edward Avenue, Santa Clara, CA 95050 (Number) (Street) (City)

Telephone Number: (408) 988-1111 Pick Up: 8/31/78 (Date) Time: : ☐ am ☐ pm

State Liquid Waste Hauler's Registration No. (if applicable): 150

State Hazardous Waste Hauler's Registration No. (if applicable): 150

Job No.: ____ No. of Loads or Trips: ____ Unit No.: ____

Vehicle: ☐ vacuum truck ____ barrels, ☐ flatbed, ☒ other Van (specify)

The described waste was hauled by me to the disposal facility named below and was accepted.

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Ken Wilkins
HAZARDOUS MATERIALS SPECIALIST
Signature of authorized agent and title

DISPOSER OF WASTE (Must be filled by disposer)

Name (print or type): WCCC Dump (Code No.)

Site Address: Foot of Parr Blvd., Richmond, CA

The hauler above delivered the described waste to this disposal facility and it was an acceptable material under the terms of RWQCB requirements, State Department of Health regulations, and local restrictions.

Quantity measured at site (if applicable): ____ State fee (if any): N/A

See Manifest Number SSI 00401

Handling Method(s):

☐ recovery

☐ treatment (specify): Cells A,B,C (Code No.)
(Examples: incineration, neutralization, precipitation)

☒ disposal (specify): ☐ pond ☒ spreading ☐ landfill ☐ injection well ☐ other (specify): Class I Site (Code No.)

If waste is held for disposal elsewhere specify final location: ____

Disposal Date: 8/31/78

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Signature of authorized agent and title

The site operator shall submit a legible copy of each completed Record to the State Department of Health with monthly fee reports.

SAFETY SPECIALISTS, INCORPORATED
3284 F Edward Avenue, Santa Clara, CA 95050
Telephone (408) 988-1111

FOR INFORMATION RELATED TO SPILLS OR OTHER EMERGENCIES INVOLVING HAZARDOUS WASTE OR OTHER MATERIALS CALL (800) 424-9300.

See Attached Sheet #00394

DOT Proper Shipping Name

DATA SHEET

University of California, San Francisco
Chemicals for Disposal

Attached Sheet # 00394

55-gallon drum UCSF-1

1 x 25 g 4-Chloro-1-butanol
1 x 100 g Phenoxyethanol
4 x 1 gal 1-2-Propanediol
1 x 1 gal 2-Butanone, Flammable Liquid
2 x 1 gal 2-Methyl butane, Flammable Liquid
1 x 1 gal Flammable Liquid, n.o.s.
5 x 1 qt Tetrahydrofuran, Flammable Liquid
2 x 500 ml Cyclohexane, Flammable Liquid
3 x 1 pt Nitromethane, Flammable Liquid
1 x 100 g Acetaldehyde, Flammable Liquid
1 x 200 g Choline in 50% methanol, Flammable Liquid
1 x 1 Kg Dibutyl phthalate
2 x 250 g Tolylene 2,4-diisocyanate
1 x 500 g Isobutyl alcohol, Flammable Liquid
1 x 500 g 2-Methoxy ethyl acetate
2 x 1 pt Pyridine, Flammable Liquid
1 x 1 pt Pyridine acetate
1 x 1 pt Isoamyl alcohol, Flammable Liquid
1 x 1 pt Formamide
1 x 500 g Trimethylene glycol
1 x 100 g Benzene, Flammable Liquid
1 x 1 qt Piperidine
6 x 1 gal Dioxane, Flammable Liquid
3 x 1 gal Combustible Liquid, n.o.s.
1 x 1 ℓ Methyl cyclo hexane, Flammable Liquid
2 x 1 pt Acetaldehyde, Flammable Liquid
1 x 1 pt Amyl acetate, Flammable Liquid
1 x 1 pt Ethyl acetal acetate
1 x 1 pt Toluene, Flammable Liquid
1 x 100 g 2,4,6-Trimethyl pyridine
1 x 100 g Dicyclohexylcarbodiamide
1 x 100 g 2-Amino-2-methyl-1-propanol
2 x 100 g Diglycidyl ether of polypropylene glycol
2 x 100 g Vinyl cyclohexane dioxide
1 x 100 g Dimethylaminoethanol
2 x 100 g Tri(dimethylaminomethyl) phenol
2 x 1 pt Ethyl acetate, Flammable Liquid
1 x 1 pt Cresol, Combustible Liquid
1 x 1 pt Flammable liquid, n.o.s.
1 x 100 g Dinitrobenzene
1 x 100 g Dioctylphthalate
1 x 100 g 2-Mercaptoethanol, Combustible Liquid
1 x 100 g 2,4,6-Trimethyl pyridine

55-gallon drum UCSF-2

2 x 1 gal Flammable liquid, n.o.s. (Xylene-Isopropanol), Flammable Liquid
1 x 1 gal Ethanol, Flammable Liquid
1 x 1 gal Butyl methacrylate
1 x 1 gal Dibutyl phthalate
2 x 1 gal Benzene, Flammable Liquid
1 x 1 gal Ethylene glycol monomethyl ether, Combustible Liquid
1 x 500 g Ethylene glycol monomethacrylate
1 x 1 lb Ethylene glycol dimethacrylate
1 x 250 ml Methyl sulfoxide
1 x 500 ml iso-Butyl alcohol, Flammable Liqu
1 x 1 pt Trichloroethylene
1 x 1 Kg Pyridine, Flammable Liquid
1 x 1 Kg Dioxane, Flammable Liquid
1 x 1 pt Amyl acetate, Flammable Liquid
1 x 100 g Ethyl chloroformate, Combustible Liquid
1 x 10 g 2-Butanone, Flammable Liquid
2 x 1 gal DAB waste
1 x 1 gal Solvent, n.o.s., Combustible Liqui
1 x 1 gal Chloroform, ORM-A
1 x 1 gal iso-Amyl alcohol, Flammable Liquid
1 x 1 gal Dioxane, Flammable Liquid
1 x 1 gal Flammable liquid, n.o.s.
1 x 1 gal Xylenes, Flammable Liquid
1 x 5 pt Solvent, n.o.s.
1 x 1 pt Ethyl acetate, Flammable Liquid
1 x 1 qt Ethylene glycol
1 x 100 g Ethanol, Flammable Liquid
1 x 1 pt Methanol, Flammable Liquid
1 x 1 pt Methyl methacrylate
1 x 1 pt Hydroxyethyl methacrylate
1 x 500 g Triethyl amine, Flammable Liquid
1 x 100 g Diethylhydroxylamine
1 x 1 pt Triton X-100
1 x 57 g Silicone fluid

30-gallon fiberdrum UCSF-3

9 x 1 Kg Naphthalene
1 x 500 g Paraformaldehyde
1 x 25 ml Hydrazine solution
2 x 100 g Poisonous solid, n.o.s. (Sodium cacodylate), Poison B
1 x 1 lb Lead oxide
1 x 500 g 1,5-Naphthalene disulfonic acid, disodium salt

DATA SHEET

University of California, San Francisco
Chemicals for Disposal

Attached Sheet # 00394

30-gallon fiberdrum UCSF-3 (Continued)

1 x 100 g Potassium cyanide, Poison B
2 x 1 lb Phosphorus pentoxide
5 x 100 g Cetyl pyridinum chloride
1 x ½ gal Pool chlorine
1 x 1 lb Potassium bisulfite
1 x 1 lb Lead oxide
4 x 100 g Lead citrate
2 x 100 g 1-Nitroso-2-naphthol
3 x 1 g Asbestos acid, solid
6 x 1 g Osmium tetroxide, Poison B
1 x 1 lb Turgasept air sp
15 x 60 ml Tincture of iodine (1%)
1 x 1 oz Urauyl acetate
2 x 5 lb Lead carbonate
2 x 1 lb Phosphorus pentoxide
1 x 1 lb Potassium cyanide
2 x 1 lb Barium chloride
1 x 1 g Cyanogen bromide, Poison B
3 x 1 g Osmium tetroxide
1 x 25 g Benzidine
2 x 50 ml Sodium cacodylic
1 x 100 g Dinitrophenol
1 x 100 g 2,4-Dinitrophenol
1 x 100 g Nicotinamide
1 x 500 g M-cresol
2 x 1 Kg Aquacide II

55-gallon drum UCSF-4

26 x 1 gal Solvent, n.o.s., Flammable Liquid
1 x 5 gal Solvent, n.o.s., Flammable Liquid
1 x 1 pt Diglycidyl ether of polypropylene glycol, Flammable Liquid
1 x 1 pt Epon waste, Flammable Liquid
1 x 1 pt Xylente, Flammable Liquid
3 x 1 pt Oil, n.o.s.
1 x 1 pt Isoamyl alcohol, Flammable Liquid
1 x 100 g DAB waste
1 x 1 pt Epon 812 resin
1 x 100 g Butyl carbitol

55-gallon drum UCSF-5

1 x 5 gal Solvent, n.o.s., Flammable Liquid
1 x 1 gal Xylene, Flammable Liquid
4 x 1 gal Solvent, n.o.s.
1 x 1 qt DAB waste
1 x 1 qt Oil, n.o.s.
1 x 1 qt Dioxane, Flammable Liquid
1 x 1 qt Kerosene, Combustible Liquid

55-gallon drum UCSF-5 (Continued)

3 x 1 qt Divinyl benzene mixture
1 x 1 gal Solvent, n.o.s.
1 x 1 gal Ethylene glycol
3 x 1 gal Solvent, n.o.s., Flammable Liquid
2 x 1 gal Methanol, Flammable Liquid
1 x 1 gal 2-Methyl butane, Flammable Liquid
1 x 500 g Dichlorodimethyl xylene, Flammable Liquid
2 x 1 Kg 2,6-Lutidine
1 x 1 qt Ethylene diamine
1 x 5 pt Ethylene dichloride, Flammable Liquid
1 x 5 pt Solvent, n.o.s., Flammable Liquid
1 x 1 qt DAB waste
1 x 1 pt Sodium acetate - sodium barbiturate
3 x 1 qt Waste oil

55-gallon drum UCSF-6

1 x 5 gal Dioxane, Flammable Liquid
1 x 1 gal Triethylamine, Flammable Liquid
5 x 1 gal Solvent, n.o.s.
4 x 1 gal Ethylene glycol monoethyl ether, Combustible Liquid
1 x 1 gal Dimethyl formamide
1 x 1 gal Flammable liquid, n.o.s. (Blazo Fuel), Flammable Liquid
1 x 1 gal Pyridine, Flammable Liquid
1 x 1 gal Ethoxyethanol, Combustible Liquid
1 x 1 gal Ethylenediamine, Combustible Liquid
1 x 100 g Acrylonitrile, Flammable Liquid
1 x 500 ml Diethylamine, Flammable Liquid
1 x 1 pt Benzene, Flammable Liquid
1 x 1 pt Dimethyl sulfoxide
1 x 1 Kg Ethylenediamine
1 x 1 qt Chlorotrimethylsilane, Flammable Liquid
3 x 1 qt Oil, n.o.s.
2 x 1 gal Solvent, n.o.s., Flammable Liquid

55-gallon drum UCSF-7

1 x 5 gal 1,2-Dichloroethane, Flammable Liqu
1 x 1 gal Oil, n.o.s.
6 x 1 gal Solvent, n.o.s., Flammable Liquid
1 x 5 gal Nitrobenzene, Poison B
5 x 1 gal Solvent, n.o.s.
1 x 1 qt 3-Pentanone, Flammable Liquid
1 x 1 gal DAB waste

DATA SHEET

University of California, San Francisco
Chemicals for Disposal

Attached Sheet # 00394

55-gallon drum UCSF-7 (Continued)

5 x 1 qt Oil, n.o.s.
1 x 500 g Diethylamine, Flammable Liquid
2 x 1 pt Benzene, Flammable Liquid
2 x 1 pt Carbon tetrachloride
2 x 500 g Methyl acetate, Flammable Liquid
1 x 1 pt Cyclohexane, Flammable Liquid
1 x 1 pt Pyridine, Flammable Liquid
1 x 1 pt Borontrifluoride-methanol mixture

55-gallon drum UCSF-8

1 x 5 gal Alcohol, n.o.s., Flammable Liquid
1 x 5 gal Dioxane, Flammable Liquid
1 x 1 gal Petroleum ether, Flammable Liquid
2 x 1 gal 1,2-Propanediol
1 x 1 gal Alcohol, n.o.s. (Butyl alcohol), Flammable Liquid
1 x 1 gal Flammable liquid, n.o.s. (Acetone-butanol), Flammable Liquid
2 x 5 pt Ethylene dichloride, Flammable Liquid
2 x 1 qt Oil, n.o.s.
5 x 1 pt DAB waste
1 x 1 gal Xylene, Flammable Liquid
4 x 1 gal Solvent, n.o.s.
4 x 1 lb Ether, Flammable Liquid
1 x 1 pt Propylene oxide, Flammable Liquid
2 x 1 pt Ethanol, Flammable Liquid
1 x 1 pt DAB waste
2 x 1 pt Dimethyl sulfoxide
1 x 1 pt Combustible liquid, n.o.s.
1 x 10 g Benzyl bromide
1 x 100 ml Dimethyl sulfide

55-gallon drum UCSF-9

1 x 5 gal 2,2'-Oxydiethanol
1 x 5 gal Nitrobenzene, Poison B
4 x 1 gal Solvent, n.o.s.
2 x 1 gal Flammable liquid, n.o.s. (Xylene-isopropanol), Flammable Liquid
1 x 1 gal Alcohol, n.o.s. (Ethanol), Flammable Liquid
2 x 1 gal Solvent, n.o.s.
2 x 20 g Dibutyl phthalate
1 x 1 gal Dimethylsulfoxide
4 x 1 gal Solvent, n.o.s., Flammable Liquid
1 x 1 gal Ethylene glycol
3 x 1 gal Solvent, n.o.s.
2 x 1 pt Flammable liquid, n.o.s.
1 x 1 pt Ammonium sulfide

55-gallon drum UCSF-10

1 x 5 gal Dioxane, Flammable Liquid
2 x 1 gal Methyl salicylate
12 x 1 gal Solvent, n.o.s.
5 x 1 gal Oil, n.o.s.
1 x 1 gal Flammable liquid, n.o.s. (Xylene-Isopropanol), Flammable Liquid
1 x 1 gal Alcohol, n.o.s., Flammable Liquid
1 x 1 gal Glutaraldehyde
1 x 1 pt Heptane, Flammable Liquid

30-gallon drum UCSF-11

3 x ½ gal Unknown fixative
1 x 500 g Cellulosepulver MN300
5 x 1 lb Urea crystal
2 x 1 lb Phenol, solid, Poison B
1 x 1 pt Calcium sulfate
1 x 500 g Maleic anhydride
1 x 250 g Thiourea
1 x 1 lb Calcium oxide
1 x 1 lb Hydrazine sulfate
1 x 1 pt Calcium sulfate
1 x 100 g Chloroquine phosphate
2 x 100 g Dimethylaminoazobenzene
1 x 100 g 1-Nitroso-2-naphthol
1 x 250 g Hydrazine hydrate
2 x 250 g Phenylhydrazine hydrochloride
2 x 25 g Sodium cyanotrihydro-borate
1 x ¼ lb Arsenic trioxide, solid, Ltd., Qty.
2 x ¼ lb Mercury chloride, Poison B., Ltd. Q
1 x ¼ lb Hexadyltrimethylammonium bromide
1 x ¼ lb Barium chloride
1 x 25 g Phenyl mercuric nitrate
3 x 5 lb Sodium hydroxide, Corrosive
1 x 5 lb Calcium hydroxide, Corrosive
1 x 1 lb Sodium hydroxide pellets, Corrosive
1 x 1 lb Sodium perchlorate, Corrosive
1 x 1 lb Sodium nitrate, Corrosive
1 x 1 lb Cobalt nitrate, Corrosive
1 x 5 lb Potassium dichromate, Corrosive
1 x 5 lb Sodium dichromate, Corrosive
4 x 5 lb Chromium trioxide, Corrosive
1 x 1 lb Trichloroacetic acid, Corrosive
1 x 1 lb Sodium dithionite, Corrosive
2 x 500 g Magnesium perchlorate, Corrosive
2 x 500 g Sodium hydroxide, Corrosive

DATA SHEET

University of California, San Francisco
Chemicals for Disposal

Attached Sheet # 00394

55-gallon drum UCSF-12

1 x 1 gal Alcohol, n.o.s.
4 x 1 gal Solvent, n.o.s.
2 x 1 gal Oil, n.o.s.
1 x 1 gal Solvent, n.o.s., Flammable Liquid
2 x 1 gal Chloroform - ORM-A
1 x 1 gal Epoxy resin
1 x 1 gal Kerosene, Combustible Liquid
1 x 500 g Tetrahydrofuran, Flammable Liquid
1 x 1 Kg 2-Chloroethanol
2 x 1 pt Hexane, Flammable Liquid
1 x 1 pt Dioxane, Flammable Liquid
1 x 1 pt Heptane, Flammable Liquid
1 x 1 pt Diethanolamine
1 x 1 pt Alcohol, n.o.s., Flammable Liquid
1 x 250 g Acetophenone, Combustible Liquid
1 x 250 g Phenetole
1 x 100 g 1,5-Dibromopentane
2 x 100 g 2,4,6-Trimethylpyridine
1 x 1 pt Toluene, Flammable Liquid
1 x 100 g 2,4-Dinitroaniline
3 x 500 ml Diethylamine
1 x 250 g 2,2',2"-Nitrilotriethanol
1 x 1 qt Liquid petrolatum
6 x 1 pt Solvent, n.o.s.

Containers UCSF-13 through UCSF-18 and UCSF-34 contain dry laboratory waste (pipets, Kimwipes, glassware, etc.) contaminated with the listed carcinogens and mutagens:

55-gallon drum UCSF-13

Trace amounts of:
Benzo(a)pyrene
Ethyl methane sulfonate
MNNG
Diaminobenzidine
Diaminopurene

30-gallon fiberdrums UCSF-14 through UCSF-18

5 x 30 gal Trace amounts of:
Benzo(a)pyrene
Ethyl methane sulfonate
MNNG
Diaminobenzidine
Diaminopurene

Box UCSF-19

1 x 1 Kg Aniline oil, Poison B
1 x 5 lb Phenol, liquid, Poison B
1 x 1 qt Phenol, liquid, Poison B
12 x 1 pt Phenol, liquid, Poison B
1 x 1 pt Aniline oil, Poison B
1 x 1 Kg Phenol, Poison B
3 x 1 lb Phenol, Poison B

Box UCSF-20

96 x ½ lb Ether, Flammable Liquid

5-gallon drum UCSF-21

1 x 5 gal Ethyl acetate, Flammable Liquid

5-gallon drum UCSF-22

1 x 5 gal 1,2-Dichloroethane

5-gallon drum UCSF-23

1 x 5 gal Cyclohexane, Flammable Liquid

5-gallon drum UCSF-24

1 x 5 gal Methyl isobutyl ketone, Flammable Liquid

5-gallon drum UCSF-25

1 x 5 gal Benzene, Flammable Liquid

5-gallon drums UCSF-26 and UCSF-27

2 x 5 gal Nitrobenzene, Poison B

5-gallon drum UCSF-28

1 x 5 gal Dioxane, Flammable Liquid

5-gallon drums UCSF-29 and UCSF-30

2 x 5 gal Acid liquid, n.o.s., Corrosive

Box UCSF-31

4 x 1 qt Formic acid, Corrosive
11 x 1 pt Formic acid, Corrosive
8 x 1 pt iso-Butyric acid, Corrosive

Box UCSF-32

4 x 7 lb Hydrochloric acid, Corrosive

DATA SHEET

University of California, San Francisco
Chemicals for Disposal

Attached Sheet # 00394

Box UCSF-33

2 x 9 lb Sulfuric acid, Corrosive
4 x 1 pt Phosphoric acid, Corrosive

30-gallon fiberdrum UCSF-34

Trace amounts:
- 2 x 1 lb Diphenylamine
- 1 x 4 oz Asbestos
- 1 x 500 g 1-Naphthylamine
- 1 x 25 g Benzidine dihydrochloride
- 1 x ½ lb Uranyl acetate
- 1 x 1 lb Aluminum oxide
- 1 x 1 lb Lead chloride-ORM-B
- 1 x 1 lb Mercuric chloride, Poison B, Ltd. Qty.
- 1 x ¼ lb Mercuric acetate, Poison B, Ltd. Qty.

Box UCSF-35

2 cu. ft. Soda ash (contaminated with waste acid)

Box UCSF-36

1 x 4 oz Picric acid - water mixture
1 x 1 oz Picric acid - water mixture

Box UCSF-37

2 x ½ lb Picric acid - water mixture

Box UCSF-38

1 x 1 lb Picric acid - water mixture

Box UCSF-39

2 cu. ft. neutralized acid

Box UCSF-40

1 x 1 lb Picric acid - water mixture
1 x 100 g 2,4-Dinitrophenylhydrazine

Box UCSF-41

4 x 1 gal Precipitates

Box UCSF-42

2 cu. ft. Dry waste

Box UCSF-43

1 x 25 lb Sucrose

Wooden box UCSF-44

1 x 4 oz Hydrazine hydrate, Corrosive

Box UCSF-45

1 x 5 gal Protone

5-gallon drums UCSF-46 through UCSF-48

3 x 5 gal Solvent, n.o.s., Flammable Liquid

CALIFORNIA LIQUID WASTE HAULER RECORD

See/Tag No. 74[illegible]

STATE WATER RESOURCES CONTROL BOARD
STATE DEPARTMENT OF HEALTH

PRODUCER OF WASTE (Must be filled by producer)

Name (print or type): Univ. of California-San Francisco Code No.

Pick up Address: 501 Parnassus Ave., San Franaisco 94143
(Number) (Street) (City)

Telephone Number: (415) 666-1300 P.O. or Contract No.: 748087G

Order Placed By: Art Rich Date: 6/21/78

Type of Process which Produced Wastes: Laboratory Research
(Examples: metal plating, equipment cleaning, oil drilling-wastewater treatment, pickling bath, petroleum refining) Code No.

DESCRIPTION OF WASTE (Must be filled by producer)

Check type of wastes:

1. [X] Acid solution
2. [ ] Alkaline solution
3. [ ] Pesticides
4. [ ] Paint sludge
5. [X] Solvent
6. [ ] Tetraethyl lead sludge
7. [ ] Chemical toilet wastes
8. [ ] Tank bottom sediment
9. [ ] Oil
10. [ ] Drilling mud
11. [ ] Contaminated soil and sand
12. [ ] Cannery waste
13. [ ] Latex waste
14. [ ] Mud and water
15. [ ] Brine

[X] Other (Specify) See attached Code No.

Components:
(Examples: Hydrochloric acid, lime, caustic soda, phenolics, solvents (list), metals (list), organics (list), cyanide)

	Concentration: Upper	Lower	%	ppm
1. See attached Sheet				
2. "				
3. "				
4. "				
5. "				
6. "				

Hazardous Properties of Waste:
pH ____ [ ] none [X] toxic [X] flammable [X] corrosive [ ] explosive

Bulk Volume: ____ [ ] gal [ ] tons [ ] barrels (42 gal) [ ] other (specify)

20-55 gal
2 cu yds

Containers: 44 (Number) [X] drums [X] cartons [ ] bags [ ] other (specify)

Physical State: [X] solid [X] liquid [ ] sludge [ ] other (specify)

Special Handling Instructions (if any): Wear protective clothing and keep away form open flames.

The waste is described to the best of my ability and it was delivered to a licensed liquid waste hauler (if applicable).

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

[signature]

HAULER OF WASTE (Must be filled by hauler)

Name (print or type): SAFETY SPECIALISTS, INCORPORATED Code No.

Business Address: 3284 F Edward Avenue, Santa Clara, CA 95050
(Number) (Street) (City)

Telephone Number: (408) 988-1111 Pick Up: 6/22/78 (Date) Time: [ ] am [ ] pm

State Liquid Waste Hauler's Registration No. (if applicable): 150

State Hazardous Waste Hauler's Registration No. (if applicable): 150

Job No.: ____ No. of Loads or Trips: ____ Unit No.: ____

Vehicle: [ ] vacuum truck ____ barrels, [ ] flatbed, [X] other Van (specify)

The described waste was hauled by me to the disposal facility named below and was accepted.

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Ken Walkins
HAZARDOUS MATERIALS SPECIALIST
Signature of authorized agent and title

DISPOSER OF WASTE (Must be filled by disposer)

Name (print or type): WCCC Dump Code No.

Site Address: Foot of Parr Blvd., Richmond, CA

The hauler above delivered the described waste to this disposal facility and it was an acceptable material under the terms of RWQCB requirements, State Department of Health regulations, and local restrictions.

Quantity measured at site (if applicable): ____ State fee (if any): 6.30

See Manifest Number SSI (1 of ~~3~~ 4)

Handling Method(s):

[ ] recovery

[ ] treatment (specify): Cells A, B, C
(Examples: incineration, neutralization, precipitation) Code No.

[X] disposal (specify): [ ] pond [X] spreading [ ] landfill [ ] injection well
[ ] other (specify): Class I Site Code No.

If waste is held for disposal elsewhere specify final location: ____

Disposal Date: 6/22/78

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

[signature]
Signature of authorized agent and title

The site operator shall submit a legible copy of each completed Record to the State Department of Health with monthly fee reports.

SAFETY SPECIALISTS, INCORPORATED
3284 F Edward Avenue, Santa Clara, CA 95050
Telephone (408) 988-1111

FOR INFORMATION RELATED TO SPILLS OR OTHER EMERGENCIES INVOLVING HAZARDOUS WASTE OR OTHER MATERIALS CALL (800) 424-9300.

See Attached Sheet
DOT Proper Shipping Name

University of California at San Francisco
Waste Chemicals for Disposal

55-gallon drum UCSF-1

4 x 1 gal Hydrochloric acid, Corrosive
1 x 9 lb Hydrochloric acid, Corrosive
1 x 1 pt Hydrochloric acid, Corrosive
1 x 1 gal Hydrobromic acid, Corrosive
4 x 1 pt Sulfuric acid, Corrosive
1 x 9 lb Nitric acid, Corrosive
1 x 1 gal Nitric acid, Corrosive
2 x 1 pt Nitric acid, Corrosive
2 x 1 gal Acid liquid, n.o.s. (Sulfuric-Dichromate), Corrosive
1 x 1 gal Valeric acid, Corrosive
1 x 1 gal Propionic acid, Corrosive
1 x 1 gal Phosphoric acid, Corrosive
1 x 1 pt Glacial acetic acid, Corrosive
3 x 9 lb Ammonium hydroxide, Corrosive
1 x 10 lb Sodium dichromate, Oxidizer
1 x 5 lb Potassium dichromate, Oxidizer

55-gallon drum UCSF-2

2 x 1 gal Hydrochloric acid, Corrosive
1 x 9 lb Hydrochloric acid, Corrosive
2 x 1 pt Hydrochloric acid, Corrosive
1 x 9 lb Sulfuric acid, Corrosive
3 x 1 pt Sulfuric acid, Corrosive
90 lb Acid liquid, n.o.s. (Sulfuric-Dichromate), Corrosive
2 x 1 pt Phosphoric acid, Corrosive
1 x 1 gal Acetic acid, glacial, Corrosive
1 x 1 pt Acetic acid, glacial, Corrosive
4 x 1 pt Formic acid, Corrosive
1 x 1 gal Ammonium hydroxide, Corrosive
1 x 1 pt Ammonium hydroxide, Corrosive
10 lb Potassium dichromate, Oxidizer
1 x 1 lb Trichloroacetic acid, Corrosive

55-gallon drum UCSF-3

1 x 1 pt Hydrochloric acid, Corrosive
1 x 1 qt Hydrochloric acid, Corrosive
1 x 9 lb Phosphoric acid, Corrosive
4 x 1 gal Acid liquid, n.o.s. (Sulfuric acid-Dichromate), Corrosive
12 x 9 lb Acid liquid, n.o.s. (Sulfuric acid-Dichromate), Corrosive
1 x 1 qt Acid liquid, n.o.s. (Sulfuric acid-Dichromate), Corrosive
1 x 1 lb Sodium hydroxide, Ltd. Qty., Corrosive

55-gallon drum UCSF-4

3 x 1 gal Dioxane, Flammable Liquid
3 x 1 gal Flammable liquid, n.o.s. (Hexane-Ether), Flammable Liquid
1 x 1 gal Toluene, Flammable Liquid
3 x 1 pt Ethanol, Flammable Liquid
1 x 1 pt Tetrahydrofuran, Flammable Liquid
4 x 1 lb Ether, Flammable Liquid
3 x 1 gal Hexane, Flammable Liquid
4 x 1 gal Methyl alcohol, Flammable Liquid
8 pt Methylal, Flammable Liquid

55-gallon drum UCSF-5

4 x 1 gal Dioxane, Flammable Liquid
1 x 1 qt Dioxane, Flammable Liquid
1 x 1 gal Ether, Flammable Liquid
2 x 1 gal Methyl alcohol, Flammable Liquid
1 x 1 gal Butyl alcohol, Flammable Liquid
1 x 1 gal Hexane, Flammable Liquid
1 x 1 gal Amyl acetate, Flammable Liquid
1 x 1 pt Amyl acetate, Flammable Liquid
2 x 1 gal Xylene, Flammable Liquid
2 x 1 gal Flammable liquid, n.o.s. (Xylene-Isopropanol), Flammable Liquid
1 x 1 gal Ethanol, Flammable Liquid
1 x 1 gal Methylene chloride
1 x 1 gal Ethylene dichloride, Flammable Liquid
3 x 1 pt Oil, n.o.s.
1 x 1 pt Necoloidine
1 x 1 pt Diatex medium

55-gallon drum UCSF-6

1 x 1 gal Butyl ether, Flammable Liquid
4 x 1 gal Xylene, Flammable Liquid
1 x 1 gal Acetone, Flammable Liquid
2 x 1 gal Butyl alcohol, Flammable Liquid
1 x 1 pt Butyl alcohol, Flammable Liquid
2 x 1 gal Amyl acetate, Flammable Liquid
1 x 1 gal Flammable liquid, n.o.s. (Xylene-Isopropanol), Flammable Liquid
2 x 1 gal Isopropyl alcohol, Flammable Liquid
4 x 1 pt Dioxane, Flammable Liquid
5 x 1 pt Pyridine, Flammable Liquid
1 x 1 pt Flammable liquid, n.o.s. (Alcohol-Phenol), Flammable Liquid

University of California at San Francisco
Waste Chemicals for Disposal

55-gallon drum UCSF-7

1 x 1 gal Cyclohexane, Flammable Liquid
2 x 1 gal Acetone, Flammable Liquid
2 x 1 gal Heptane, Flammable Liquid
4 x 1 gal Toluene, Flammable Liquid
4 x 1 gal Flammable liquid, n.o.s. (Toluene-Methyl alcohol), Flammable Liquid
5 x 1 gal Oil, n.o.s.
1 x 1 qt Oil, n.o.s.

55-gallon drum UCSF-8

4 x 1 gal Flammable liquid, n.o.s. (Methanol-Toluene), Flammable Liquid
7 x 1 gal Acetone, Flammable Liquid
2 x 1 pt Acetone, Flammable Liquid
1 x 1 gal Petroleum ether, Flammable Liquid
1 x 1 lb Ether, Flammable Liquid
4 x 1 gal Methanol, Flammable Liquid
1 x 1 gal Flammable liquid, n.o.s. (Hexyl ether), Flammable Liquid
6 x 1 pt Hexane, Flammable Liquid
1 x 1 pt Xylene, Flammable Liquid
5 x 1 pt Pyridine, Flammable Liquid
x 1 pt Tetrahydrofuran, Flammable Liquid
1 x 1 qt 2-Butoxy ethanol
1 x 1 gal Oil, n.o.s.

55-gallon drum UCSF-9

2 x 1 gal Butyl alcohol, Flammable Liquid
2 x 1 gal Petroleum ether, Flammable Liquid
2 x 1 gal Acetonitrile, Flammable Liquid
4 x 1 gal Flammable liquid, n.o.s. (Acetonitrile-Methyl alcohol), Flammable Liquid
1 x 1 qt Methyl acetate, Flammable Liquid
1 x 1 pt Methyl acetate, Flammable Liquid
1 x 1 qt Ether, Flammable Liquid
1 x 1 gal Pyridine, Flammable Liquid
1 x 1 pt Pyridine, Flammable Liquid
1 x 1 gal Benzene, Flammable Liquid
1 x ½ gal Benzene, Flammable Liquid
1 x 1 pt Collodion, Flammable Liquid
1 x 1 pt Xylene, Flammable Liquid
4 x 1 gal Flammable liquid, n.o.s. (Xylene-Isopropanol), Flammable Liquid
1 x 1 pt Isopropyl acetate, Flammable Liquid
1 x 1 gal Ethylene dichloride, Flammable Liquid

55-gallon drum UCSF-10

2 x 1 gal Heptane, Flammable Liquid
1 x 1 gal Isoamyl alcohol, Flammable Liquid
2 x 1 gal Ethylene dichloride, Flammable Liquid
1 x 1 gal Butyl alcohol, Flammable Liquid
7 x 1 qt 2-Phenoxyethanol
1 x 1 qt Amyl acetate, Flammable Liquid
1 x 1 pt Triethanol
2 x 1 pt Tetrahydrofuran, Flammable Liquid
3 x 1 gal Methanol, Flammable Liquid
3 x 1 gal Toluene, Flammable Liquid
1 x 1 qt Butyl chloride, Flammable Liquid
1 x 1 gal Flammable liquid, n.o.s. (Triton X scintillation solution), Flammable Liquid
4 x 1 qt Flammable liquid, n.o.s. (Triton X scintillation solution), Flammable Liquid
1 x 1 qt Flammable liquid, n.o.s. (Liquifluor), Flammable Liquid
1 x 1 pt Flammable liquid, n.o.s. (Scinteverse), Flammable Liquid
1 x 1 pt Flammable liquid, n.o.s. (Protosol) Flammable Liquid
2 x 1 pt Ethylene dichloride, Flammable Liquid

55-gallon drum UCSF-11

1 x 3 Kg Acrylamide
1 x 2 lb Acrylamide
7 x 1 pt Glutaraldehyde
2 x 1 lb Phenol, Poison B
1 x 1 lb Thioglycolate medium
1 x 1 qt Benzoate
6 x 1 pt Osmium tetroxide
1 x 1 gal Ammonium chloride
1 x 1 pt Sodium bisulfate
1 x 1 lb Chloroform
5 x 1 lb Benzoyl chloride, Corrosive, Ltd. Qty.
40 lb Miscellaneous chemicals

University of California at San Francisco
Waste Chemicals for Disposal

55-gallon drum UCSF-12

3 x 1 gal Azide-Acetate
2 x 1 pt Epon resin
8 x 1 pt Ethylene glycol
8 x 1 pt Nonenyl succinic anhydride
5 x 1 lb Phosphorus pentoxide
1 x 1 qt Phthalate
1 x 1 lb Lithium carbonate
1 x 1 lb Ferrous ammonium sulfate
2 x 1 lb Phenol, Poison B
1 x 1 lb Potassium sulfate
1 x 1 lb Lithium carbonate
5 x 1 lb Resin waste
2 x 1 gal Chloroform
1 x 1 gal Formaldehyde
2 x 1 qt Cellusolve
2 x 1 pt Aniline

55-gallon drum UCSF-13

3 x 1 gal Chloroform
1 x 1 gal Sodium phosphate
1 x 1 pt Dibutyl phthalate
1 x 1 lb Araldite
1 x 1 pt Acrylamide
1 x 1 qt Nysem Accelerator
1 x 15 lb Cobalt chloride tablets
10 lb Medicinal tablets
1 x 1 qt Nysem Accelerator
1 x 1 qt Methacrylate
1 x 1 pt Silicone
1 x 1 pt Aniline oil, liquid, Poison B
1 x 1 oz Cerric sulfate
2 x 1 lb Potassium iodate
1 x 1 lb Sodium borate
1 x 1 lb Sodium fluoride
1 x 1 lb Potassium hydrogen phthalate
1 x 1 pt Sodium sulfite
1 x 1 pt Glycine
1 x 1 ℓ Anti rust
1 x 1 lb Lithium lactate
1 x 1 lb Calcium chloride
1 x 1 lb Potassium iodide
1 x 1/4 lb Ethyl carbanate
1 x 1/4 lb Hexane diamine
1 x 5 lb Sodium carbonate
1 x 1 gal Silver nitrate solution, Oxidizer
1 x 1 qt Film remover

55-gallon drum UCSF-13 (cont.)

1 x 1 lb Ammonium chloride
1 x 500 g Semicarbazide
1 x 1 lb Saponin
1 x 1 lb Sodium citrate
1 x 1 lb Urea
1 x 1 lb Antifoam
1 x 3 lb Epon Araldite

55-gallon drum UCSF-14

1 x 1 lb Methylene bisacrylamide
13 x 1 pt Silver nitrate, Oxidizer
1 x 1 pt Chloroform
12 x 1 pt Osmium tetroxide
2 x 1 gal Paraformaldehyde
1 x 1 lb Epon resin
1 x 1 pt Epon
2 x 1 pt Propylene oxide, Flammable liquid, ltd. Qty.
4 x 1 pt Liquid stabilizer
2 lb Miscellaneous drugs
3 x 1 gal Osmium tetroxide
1 x 1 lb Cobalt chloride

55-gallon drum UCSF-15

1 x 1 g Ammonium-Molybdenum
1 x 100 g Methylamino phenol sulfate
1 x 1 pt Aniline oil, liquid, Poison B
1 x 1 qt Aniline oil, liquid, Poison B
3 x 1 gal Chloroform
2 x 1 pt Dimethyl aniline
1 x 1 pt Dimethylsulfoxide
1 x 1 pt Dimethylformamide
1 x 1 pt Glutaraldehyde
1 x 1 pt Benzidine hydrochloride
1 x 1 qt Epon resin
1 x 1 pt Silver nitrate, Oxidizer
1 x 1 qt Tributyl phosphate
1 x 1 lb Dimethlysulfoxide
1 x 1 lb Phenol, solid, Poison B

55-gallon drum UCSF-16

2 x 1 gal Benzidine solution
1 x 1 gal Diaminobenzene
1 x 1 pt Diaminobenzene
5 lb Zinc Amalgam
12 oz Propargyl bromide
1 x 1 pt Potassium cyanide, solid, Poison B

University of California at San Francisco
Waste Chemicals for Disposal

55-gallon drum UCSF-16 (cont.)

1 x 100 mg Dimethylaminobenzene
1 x 1 lb Phenyl phenol
2 x 1 lb Ferricyanide
1 x 1 lb Potassium cyanide, solid, Poison B

55-gallon drum UCSF-17

4 x 1 gal Xylene, Flammable liquid
1 x 1 qt Pentyl alcohol, Combustible
1 x 1 qt Isopropyl alcohol, Flammable liquid
2 x 1 Kg Benzyl alcohol, Combustible liquid
3 x 1 qt Waste oil, n.o.s.
1 x 1 pt Heptane, Flammable liquid
4 x 1 gal Methanal, Flammable liquid
1 x 1 gal Methyl salicylate
1 x 1 gal Propyl alcohol, Flammable liquid
1 x 1 gal 2-Butanone, Flammable liquid
18 x 1 lb Ether, anhydrous, Flammable liquid

55-gallon drum UCSF-18

4 x 1 gal Chloroform
2 x 1 gal Aniline oil, liquid, Poison B
4 x 1 gal Solvent, n.o.s.
2 x 1 qt Osmium tetroxide
2 x 1 gal Epon waste
2 x 1 pt Silver nitrate solution, Oxidizer
2 x 1 pt Araldite

Containers UCSF-15, UCSF-19 through UCSF-44 contain dry laboratory waste (pipets, kimwipes, glassware, petri plates, etc.) contaminated with the listed carcinogens and mutagens:

55-gallon drum UCSF-19

trace amounts: Benzene, Flammable liquid
Anthracene
Diaminobenzidine

55-gallon drum UCSF-20

1 x 5 gal Waste carcinogen solution (Benzene-Anthracene-Diaminobenzidine)
5 x 1 gal waste mercury ppt.'s
1 x 1 lb Ammonium bifluoride

55-gallon drum UCSF-15 and Boxes UCSF-21 through UCSF-44

trace amounts: 2-Aminoanthracene
2,4-Diaminoanisole
Acetylaminofluorene
1,2,3,4-Dibenzanthracene
o-Aminoazotoluene
Aflatoxin B
7,12-Dimethyl benzanthracene
2-Aminobiphenyl
Diaminofluorene
Benzo (a) pyrene
Benzidine
Acridine orange
Ethidium bromide
6-Aminochapene
MNNG
9-Aminoacridine
1,2-Epoxy-3,3,3-trichloropropa
2-Aminofluorene
5-Fluorouracil
Thiotepa
Methotrepate
Cyclophosphamide

Receipt No. [illegible]

STATE WATER RESOURCES CONTROL BOARD
STATE DEPARTMENT OF HEALTH

PRODUCER OF WASTE (Must be filled by producer)

Name (print or type): Univ. of California-San Francisco — Code No.

Pick up Address: 501 Parnassus Ave., San Francisco 94143 (Number) (Street) (City)

Telephone Number: (415) 666-1300 P.O. or Contract No.: 7480676

Order Placed By: Art Kish Date: 6/21/78

Type of Process which Produced Wastes: Laboratory Research — Code No.
(Examples: metal plating, equipment cleaning, oil drilling, wastewater treatment, pickling bath, petroleum refining)

DESCRIPTION OF WASTE (Must be filled by producer)

Check type of wastes:

1. ☐ Acid solution
2. ☐ Alkaline solution
3. ☐ Pesticides
4. ☒ Paint sludge
5. ☐ Solvent
6. ☐ Tetraethyl lead sludge
7. ☐ Chemical toilet wastes
8. ☐ Tank bottom sediment
9. ☐ Oil
10. ☐ Drilling mud
11. ☐ Contaminated soil and sand
12. ☐ Cannery waste
13. ☐ Latex waste
14. ☐ Mud and water
15. ☐ Brine

☒ Other (Specify) See attached — Code No.

Components:
(Examples: Hydrochloric acid, lime, caustic soda, phenolics, solvents (list), metals (list), organics (list), cyanide)

	Concentration: Upper	Lower	%	ppm
1. See attached Sheet				
2. "				
3. "				
4. "				
5. "				
6. "				

Hazardous Properties of Waste: pH ____ ☐ none ☒ toxic ☒ flammable ☒ corrosive ☐ explosive

Bulk Volume: ____ ☐ gal ☐ tons ☐ barrels (42 gal) ☐ other (specify)

Containers: 44 (Number) ☒ drums ☒ cartons ☐ bags ☐ other (specify)

Physical State: ☒ solid ☒ liquid ☐ sludge ☐ other (specify)

Special Handling Instructions (if any): Wear protective clothing and keep away form open flames.

The waste is described to the best of my ability and it was delivered to a licensed liquid waste hauler (if applicable).

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Signature of authorized agent and title

HAULER OF WASTE (Must be filled by hauler)

Name (print or type): SAFETY SPECIALISTS, INCORPORATED — Code No.

Business Address: 3284 F Edward Avenue, Santa Clara, CA 95050 (Number) (Street) (City)

Telephone Number: (408) 988-1111 Pick Up: ____ (Date) Time: ____ ☐ am ☐ pm

State Liquid Waste Hauler's Registration No. (if applicable): 150

State Hazardous Waste Hauler's Registration No. (if applicable): 150

Job No.: ____ No. of Loads or Trips: ____ Unit No.: ____

Vehicle: ☐ vacuum truck ____ barrels, ☐ flatbed, ☒ other Van (specify)

The described waste was hauled by me to the disposal facility named below and was accepted.

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Ken Wilkins
HAZARDOUS MATERIALS SPECIALIST
Signature of authorized agent and title

DISPOSER OF WASTE (Must be filled by disposer)

Name (print or type): KCCC Dump

Site Address: Foot of Parr Blvd., Richmond, CA — Code No.

The hauler above delivered the described waste to this disposal facility and it was an acceptable material under the terms of RWQCB requirements, State Department of Health regulations, and local restrictions.

Quantity measured at site (if applicable): ____ State fee (if any): ____

See Manifest Number SSI (1 of 3)

Handling Method(s):

☐ recovery

☐ treatment (specify): Cells A, B, C — Code No.
(Examples: incineration, neutralization, precipitation)

☒ disposal (specify): ☐ pond ☐ spreading ☐ landfill ☐ injection well ☐ other (specify): Class I Site — Code No.

If waste is held for disposal elsewhere specify final location: ____

Disposal Date: 6/22/78

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Signature of authorized agent and title

The site operator shall submit a legible copy of each completed Record to the State Department of Health with monthly fee reports.

SAFETY SPECIALISTS, INCORPORATED
3284 F Edward Avenue, Santa Clara, CA 95050
Telephone (408) 988-1111

FOR INFORMATION RELATED TO SPILLS OR OTHER EMERGENCIES INVOLVING HAZARDOUS WASTE OR OTHER MATERIALS CALL (800) 424-9300.

See Attached Sheet
DOT Proper Shipping Name

SSI No. 0356

University of California at San Francisco
Waste Chemicals for Disposal

55-gallon drum UCSF-1

4 x 1 gal Hydrochloric acid, Corrosive
1 x 9 lb Hydrochloric acid, Corrosive
1 x 1 pt Hydrochloric acid, Corrosive
1 x 1 gal Hydrobromic acid, Corrosive
4 x 1 pt Sulfuric acid, Corrosive
1 x 9 lb Nitric acid, Corrosive
1 x 1 gal Nitric acid, Corrosive
2 x 1 pt Nitric acid, Corrosive
2 x 1 gal Acid liquid, n.o.s. (Sulfuric-Dichromate), Corrosive
1 x 1 gal Valeric acid, Corrosive
1 x 1 gal Propionic acid, Corrosive
1 x 1 gal Phosphoric acid, Corrosive
1 x 1 pt Glacial acetic acid, Corrosive
3 x 9 lb Ammonium hydroxide, Corrosive
1 x 10 lb Sodium dichromate, Oxidizer
1 x 5 lb Potassium dichromate, Oxidizer

55-gallon drum UCSF-2

2 x 1 gal Hydrochloric acid, Corrosive
1 x 9 lb Hydrochloric acid, Corrosive
2 x 1 pt Hydrochloric acid, Corrosive
1 x 9 lb Sulfuric acid, Corrosive
3 x 1 pt Sulfuric acid, Corrosive
90 lb Acid liquid, n.o.s. (Sulfuric-Dichromate), Corrosive
2 x 1 pt Phosphoric acid, Corrosive
1 x 1 gal Acetic acid, glacial, Corrosive
1 x 1 pt Acetic acid, glacial, Corrosive
4 x 1 pt Formic acid, Corrosive
1 x 1 gal Ammonium hydroxide, Corrosive
1 x 1 pt Ammonium hydroxide, Corrosive
10 lb Potassium dichromate, Oxidizer
1 x 1 lb Trichloroacetic acid, Corrosive

55-gallon drum UCSF-3

1 x 1 pt Hydrochloric acid, Corrosive
1 x 1 qt Hydrochloric acid, Corrosive
1 x 9 lb Phosphoric acid, Corrosive
4 x 1 gal Acid liquid, n.o.s. (Sulfuric acid-Dichromate), Corrosive
12 x 9 lb Acid liquid, n.o.s. (Sulfuric acid-Dichromate), Corrosive
1 x 1 qt Acid liquid, n.o.s. (Sulfuric acid-Dichromate), Corrosive
1 x 1 lb Sodium hydroxide, Ltd. Qty., Corrosive

55-gallon drum UCSF-4

3 x 1 gal Dioxane, Flammable Liquid
3 x 1 gal Flammable liquid, n.o.s. (Hexane-Ether), Flammable Liquid
1 x 1 gal Toluene, Flammable Liquid
3 x 1 pt Ethanol, Flammable Liquid
1 x 1 pt Tetrahydrofuran, Flammable Liquid
4 x 1 lb Ether, Flammable Liquid
3 x 1 gal Hexane, Flammable Liquid
4 x 1 gal Methyl alcohol, Flammable Liquid
8 pt Methylal, Flammable Liquid

55-gallon drum UCSF-5

4 x 1 gal Dioxane, Flammable Liquid
1 x 1 qt Dioxane, Flammable Liquid
1 x 1 gal Ether, Flammable Liquid
2 x 1 gal Methyl alcohol, Flammable Liquid
1 x 1 gal Butyl alcohol, Flammable Liquid
1 x 1 gal Hexane, Flammable Liquid
1 x 1 gal Amyl acetate, Flammable Liquid
1 x 1 pt Amyl acetate, Flammable Liquid
2 x 1 gal Xylene, Flammable Liquid
2 x 1 gal Flammable liquid, n.o.s. (Xylene-Isopropanol), Flammable Liquid
1 x 1 gal Ethanol, Flammable Liquid
1 x 1 gal Methylene chloride
1 x 1 gal Ethylene dichloride, Flammable Liquid
3 x 1 pt Oil, n.o.s.
1 x 1 pt Necoloidine
1 x 1 pt Diatex medium

55-gallon drum UCSF-6

1 x 1 gal Butyl ether, Flammable Liquid
4 x 1 gal Xylene, Flammable Liquid
1 x 1 gal Acetone, Flammable Liquid
2 x 1 gal Butyl alcohol, Flammable Liquid
1 x 1 pt Butyl alcohol, Flammable Liquid
2 x 1 gal Amyl acetate, Flammable Liquid
1 x 1 gal Flammable liquid, n.o.s. (Xylene-Isopropanol), Flammable Liquid
2 x 1 gal Isopropyl alcohol, Flammable Liqui
4 x 1 pt Dioxane, Flammable Liquid
5 x 1 pt Pyridine, Flammable Liquid
1 x 1 pt Flammable liquid, n.o.s. (Alcohol-Phenol), Flammable Liquid

University of California at San Francisco
Waste Chemicals for Disposal

55-gallon drum UCSF-16 (cont.)

1 x 100 mg Dimethylaminobenzene
1 x 1 lb Phenyl phenol
2 x 1 lb Ferricyanide
1 x 1 lb Potassium cyanide, solid, Poison B

55-gallon drum UCSF-17

4 x 1 gal Xylene, Flammable liquid
1 x 1 qt Pentyl alcohol, Combustible
1 x 1 qt Isopropyl alcohol, Flammable liquid
2 x 1 Kg Benzyl alcohol, Combustible liquid
3 x 1 qt Waste oil, n.o.s.
1 x 1 pt Heptane, Flammable liquid
4 x 1 gal Methanal, Flammable liquid
1 x 1 gal Methyl salicylate
1 x 1 gal Propyl alcohol, Flammable liquid
1 x 1 gal 2-Butanone, Flammable liquid
18 x 1 lb Ether, anhydrous, Flammable liquid

55-gallon drum UCSF-18

x 1 gal Chloroform
2 x 1 gal Aniline oil, liquid, Poison B
4 x 1 gal Solvent, n.o.s.
2 x 1 qt Osmium tetroxide
2 x 1 gal Epon waste
2 x 1 pt Silver nitrate solution, Oxidizer
2 x 1 pt Araldite

Containers UCSF-15, UCSF-19 through UCSF-44 contain dry laboratory waste (pipets, kimwipes, glassware, petri plates, etc.) contaminated with the listed carcinogens and mutagens:

55-gallon drum UCSF-19

trace amounts: Benzene, Flammable liquid
Anthracene
Diaminobenzidine

55-gallon drum UCSF-20

1 x 5 gal Waste carcinogen solution (Benzene-Anthracene-Diaminobenzidine)
3 x 1 gal waste mercury ppt.'s
1 x 1 lb Ammonium bifluoride

55-gallon drum UCSF-15 and Boxes UCSF-21 through UCSF-44

trace amounts: 2-Aminoanthracene
2,4-Diaminoanisole
Acetylaminofluorene
1,2,3,4-Dibenzanthracene
o-Aminoazotoluene
Aflatoxin B
7,12-Dimethyl benzanthracene
2-Aminobiphenyl
Diaminofluorene
Benzo (a) pyrene
Benzidine
Acridine orange
Ethidium bromide
6-Aminochapene
MNNG
9-Aminoacridine
1,2-Epoxy-3,3,3-trichloropropa
2-Aminofluorene
5-Fluorouracil
Thiotepa
Methotrepate
Cyclophosphamide

SAFETY SPECIALISTS INCORPORATED

NOT AN INVOICE

№ _____

3284 F EDWARD AVENUE • SANTA CLARA, CALIFORNIA 95050 • TELEPHONE (408) 988-1111

UCSF
Accounting Department
Parnassus Avenue
San Francisco, CA 94143

Date _____

Customer Order No. 748087G

SSI No. 00356

TERMS: NET 30 DAYS

MATERIALS

THE FOLLOWING ITEM WERE DELIVERED ON _____

ITEM	Specification	QTY	PRICE EA.	TOTAL	ITEM	Specification	QTY	PRICE EA.	TOTAL
55 Gal. drum	DOT 17E				FIBERBOARD BOX	DOT 12A86			
55 Gal. drum	DOT 17H				FIBERBOARD BOX	DOT 12A80			
30 Gal. drum	DOT 17H				FIBERBOARD BOX				
Gal. drum	DOT 17E				Gaskets	17H	4		
5 Gal. drum	DOT 34				ABSORBENT				
5 Gal. drum	DOT 37C					TAXABLE TOTAL			
Gal. drum						Sales Tax			
Bolts	17H	20				MATERIALS TOTAL			

CHEMICAL WASTE DISPOSAL

THE FOLLOWING ITEMS WERE PICKED UP ON _____

QTY		PRICE EA.	TOTAL
	1 Gal.		
	5 Gal.		
	30 Gal.		
20	55 Gal.	$32.75	
	Gal.		
54	cu ft	$4.75	

DISPOSAL TOTAL

CHEMICAL PACKAGING

_____ HOURS @ _____ PER HOUR

_____ HOURS @ _____ PER HOUR

_____ MILES @ _____ PER MILE

OTHER CHARGES (See Attachment)

PACKAGING TOTAL

INVOICE TOTAL

Signature of Producer or Authorized Agent

TITLE

DATE

NUCLEAR ENGINEERING COMPANY, INC.

1 Ramon Warehouse
5-837-1561

P.O. Box ~~4308~~ 156
~~Walnut Creek,~~ California 94596
~~415-933-0770~~

Beatty, Nevada
702-553-2203

HAZARDOUS WASTE SHIPMENT RECORD FORM

stomer UCMC Date 1-17 1980

dress S.F. Page 1 of 1 pages

INSTRUCTIONS

Your representative and a NECO representative must sign this form after inspection. In addition, proper DOT and/or Bureau of Explosives labeling is required.

DISCLAIMER: Title to all materials which were previously owned by the customer or supplier contained in waste furnished for burial as listed on this form or under this contract shall be deemed to be vested in Nuclear Engineering Company, Inc. upon delivery to our facilities or placed aboard our vehicle. The customer or supplier shall have no right to the recovery of any material contained in such waste nor any credit for their potential value.

em No.	Type* Container	Physical State**	DESCRIPTION OF MATERIAL	MAJOR HAZARD (✓) Label				VOLUME	
				Poison	Corrosive	Other***	Flammable	Gallons	Cu. Ft.
7	Drum	Solid	Flammable NOS				✓	55	7.5
	Drum	Solid	Poisonous Solid NOS	✓				55	7.5
5	Drum	Solid	Corrosive Solid NOS		✓			55	7.5
	Can	Liquid	Flammable Liq NOS				✓	55	7.5
						TOTALS			

is is to certify that the above named articles are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Dept. of Transportation.

m, Box, Glass, Wood, etc.
Solid, Sludge, Liquid, or Gas
Describe

[illegible] SHIPPER Ronald B. [illegible] RECEIVED BY

DISTRIBUTION: White–NECO; Yellow–Transportation; Pink–Customer; Goldenrod–Invoice

Revised cember 1975

CALIFORNIA LIQUI WASTE HAULER RECORD

STATE WATER RESOURCES CONTROL BOARD
STATE DEPARTMENT OF HEALTH

PRODUCER OF WASTE (Must be filled by producer)

Name (print or type): UNIV. OF CAL. MED. CTR. Code No.

Pick up Address: 1844 3rd AVE. S. F. (Number) (Street) (City)

Telephone Number: (415) 666-1749 P.O. or Contract No.:

Order Placed By: ARTURO DE LEON Date: 1-17-78

Type of Process which Produced Wastes: RESEARCH WASTE CHEMICALS Code No.
(Examples: metal plating, equipment cleaning, oil drilling, wastewater treatment, pickling bath, petroleum refining)

DESCRIPTION OF WASTE (Must be filled by producer)

Check type of wastes:

1. ☑ Acid solution
2. ☑ Alkaline solution
3. ☐ Pesticides
4. ☐ Paint sludge
5. ☑ Solvent
6. ☐ Tetraethyl lead sludge
7. ☐ Chemical toilet wastes
8. ☐ Tank bottom sediment
9. ☒ Oil
10. ☐ Drilling mud
11. ☐ Contaminated soil and sand
12. ☐ Cannery waste
13. ☐ Latex waste
14. ☐ Mud and water
15. ☐ Brine

☐ Other (Specify) Code No.

Components:
(Examples: Hydrochloric acid, lime, caustic soda, phenolics, solvents (list), metals (list), organics (list), cyanide)

	Concentration: Upper	Lower	%	ppm
1. Toxic				
2. Flammable				
3. Corrosive				
4.				
5.				
6.				

SEE ATTACHED SHEETS

Hazardous Properties of Waste:
pH ____ ☐ none ☑ toxic ☑ flammable ☑ corrosive ☐ explosive

Bulk Volume: 19 DRUMS ☐ gal ☐ tons ☐ barrels (42 gal) ☐ other (specify)

Containers: 3 (Gal) (Number) 7 drums 7 drum cartons 5 DRUMS ☐ other (specify)

Physical State: ☑ solid ☑ liquid ☐ sludge ☐ other (specify)

Special Handling Instructions (if any):

The waste is described to the best of my ability and it was delivered to a licensed liquid waste hauler (if applicable).

I certify (or declare) under penalty of perjury that the foregoing is true and correct. Arturo DeLeon

HAULER OF WASTE (Must be filled by hauler)

Name (print or type): NECO Code No.

Business Address: P.O. Box 156 San Ramon (Number) (Street) (City)

Telephone Number: (415) 837-1561 Pick Up: X (Date) Time: 11:00 ☒ am ☐ pm

State Liquid Waste Hauler's Registration No. (if applicable):

Job No.: No. of Loads or Trips: Unit No.:

Vehicle: ☐ vacuum truck ____ barrels, ☐ flatbed, ☐ other Dob Trail (specify)

The described waste was hauled by me to the disposal facility named below and was accepted.

I certify (or declare) under penalty of perjury that the foregoing is true and correct. Ronald S. Johnson
Signature of authorized agent and title

DISPOSER OF WASTE (Must be filled by disposer)

Name (print or type): Code No.

Site Address:

The hauler above delivered the described waste to this disposal facility and it was an acceptable material under the terms of RWQCB requirements, State Department of Health regulations, and local restrictions.

Quantity measured at site (if applicable): State fee (if any):

Handling Method(s):

☐ recovery

☐ treatment (specify): (Examples: incineration, neutralization, precipitation) Code No.

☐ disposal (specify): ☐ pond ☐ spreading ☐ landfill ☐ injection well ☐ other (specify): Code No.

If waste is held for disposal elsewhere specify final location:

Disposal Date:

I certify (or declare) under penalty of perjury that the foregoing is true and correct.
Signature of authorized agent and title

The site operator shall submit a legible copy of each completed Record to the State Department of Health with monthly fee reports.

FOR INFORMATION RELATED TO SPILLS OR OTHER EMERGENCIES INVOLVING HAZARDOUS WASTE OR OTHER MATERIALS CALL (800) 424-9300.

DOT Proper Shipping Name

Support documents in response to Information Request Questions:

27. Identify all removal and remedial actions conducted pursuant to the Comprehensive environmental Response, Compensation and Liability Act, 42 U.S.C. S9601 et seq., or comparable state law; all corrective actions conducted pursuant to the Resource Conservation and Recovery Act, 42 U.S.C. S 6901 et sea.; and all cleanups conducted pursuant to the Toxic Substances Control Act, 15 I.S.C. S 2601 et seq. where (a) one of the COCs was addressed by the cleanup and (b) at which Respondent paid a portion of clean-up costs or performed work. Provide copies of all correspondences between Respondent and any federal or state government agency that (a) identifies a COC and (b) is related to one of the above-mentioned sites.
Response: UCSF has been involved in some CERCLA clean-ups in the past. Sites were as follows: a) Aqua Tech; b) Bay Area Drum; c) Casmalia Resources; and d) Quicksilver. Internal correspondences attached show UCSF's participated in Aqua Tech and Bay Area Drum clean-up and counsel's service fees. There were no records however found for Casmalia and Quicksilver sites. Other correspondences between UCSF and federal or state government agency do not exist.

Date:July 1, 1993

To:David Layne, Campus Counsel
Box 0292

Fr:Eugene Lau, Program Manager
Box 0942

Re:Aqua-Tech Site PRP Allocation

Enclosed please find King & Spalding memorandum dated June 23, 1993 regarding Aqua-Tech Superfund Site Removal Action. My understanding from Bert Luistro is that the enclosed memorandum is a continuation of our involvement as a Person Responsible Party (PRPs) for Aqua Tech Environmental litigation.

The memo states that we need to pay $2,500 as our share for the site clean-up cost, or to be involved in the legal process. Your legal expert opinion would be appreciated.

Please call me at 6-1794 if I can provide you with any additional information.

cc:Dr. Roy Balzer, AVC - EH&S
Bert Luistro, EH&S/HMR
chron file

Date:November 8, 1993

To:David Ramsay, MD, Senior Vice Chancellor

Fr:Ara Tahmassian, Ph.D., Director - EH&S

Re:Bay Area Drum Site Clean-up - EH&S Participation

Bay Area Drum Company located in the Hunter's Point area of San Francisco is currently undergoing investigation by the California Environmental Protection Agency (CAL/EPA) for soil and ground-water contamination. The site is a former drum reconditioning facility which received empty drums that contained some residuals of oils, solvents, paints, asphalt and other products.

UCSF power plant had sent some empty drums to Bay Area Drum Company. CAL/EPA identified UCSF as one of the parties responsible for the costs of clean-up of the site. The University's legal counsel asked EH&S to handle the matter and advised EH&S to reimburse the legal counsel for the services rendered by the law firm representing the potential responsible party (PRP). The fee is $64.50 but please keep in mind that it can be substantially more depending on the outcome of the CAL/EPA's investigation.

BL/lbl

cc:Eugene Lau, Program Manager
David Layne, UCSF Counsel
Chron file

p:\orthcw pr\bayarea.prp

M E M O R A N D U M

Date:July 27, 1992

To:David Belk, Waste Coordinator, UCOP

Fr:Mohamade Sheykhzadeh, Program Manager, UCSF/EH&S

Re:UCSF PCB-Waste at North American Environmental Facilities

This is to confirm our telephone conversation of last two weeks.

1)In your trip to Utah, you did not find any evidence of UCSF PCB waste at North American Environmental waste storage facilities. This confirms our findings of search for PCB waste disposal records.

2)The Office of the President is handling all UC PCB cases found in North American Environmental storage facility in Utah through Munger, Toles and Olsen, a San Francisco law firm.

3)You will next inquire into other UC PCB storage operated by North American Environmental at Wilmington, California.

4)Our records indicate that UCSF has PCB waste transported to North American Environmental at Wilmington, California facility by Crosby & Overton. A copy of the manifest is attached.

David, thank you very much for keeping me current, and should you need any information that UCSF may provide, please let me know.

cc: Roy Balzer
Art Reich
David Layne

#71

M E M O R A N D U M

Date:May 11, 1992

To:Dave Belk, Associate Director
Legislative Analysis and Environmental Policy

Fr:Art Reich, Director
UCSF/Environmental Health & Safety

Re:Disposal of UCSF Hazardous Waste and PCB in Texas, Louisiana and Utah

This is in response to your inquiry regarding the disposal of university hazardous waste and PCB in Texas, Louisiana and Utah.

Our records indicate that from 1986 to the present, the University of California in San Francisco did not use any of the companies listed in your two (2) May 6, 1992 memoranda.

cc: Dr. Leroy Balzer, Assistant Vice-Chancellor - EH&S
Mohamade Sheykhzadeh, Program Manager - EH&S/HMR
Bert Luistro, Associate Technologist - EH&S/HMR
Chron file

DAVEBELK\HAZWASTE/PCB/5-11-92

#27

Date:March 20, 1992

To:Art Reich, Director - EH&S

Fr:Bert Luistro, Assoc Technologist - HMR

Re:Review of 1987-89 Hazardous Waste Records

Introduction:

The purpose of this memorandum is three-fold. They are as follows:

(1)Investigate if UCSF used the waste haulers and TSDFs from 1987 to 1990 as mentioned in David Belk's memorandum of March 9, 1992.

(2)Review of EH&S/HMR in-state to out-of-state disposal practiced for hazardous waste, and

(3)Review of Rollins qualifications.

Discussion:

Firstly, according to our records, from 1987 to 1990, UCSF did not use any of the waste haulers and TSDFs listed below:

Haulers:

(1)Tecrep - EPA # UTD981552185

(2)Tri State Motor Transit - EPA # MOD095038998

TSDFs:

(1)Aptus Environmental Services - EPA # KSD980964993

(2)PSC Environmental Management - EPA # ILD980502744

(3)Marco Inc. - EPA # LAD980624514

Secondly, our 1987 to 1989 manifests indicated that North State Environmental, the UCSF waste vendor at that time, disposed of the majority of the UCSF wastes either in Casmalia or in San Jose, California. Out-of-State disposal was only an option when an unstable chemical required special handling and treatment. North State transported out-of- State waste only with our written instructions and permission, and we have record of such instructions or permission.

From the latter part of 1989 to present, the UCSF wastes were mostly transported out-of-state with the exception of the liquid wastes. The liquid wastes continued to be disposed of in California because of recycling incentives.

Further, the shutdown of Casmalia in 1989 for renovation, and the EPA landban prompted EH&S/HMR to shift from landfill to thermal treatment technology. Because of this technology transfer, EH&S/HMR chose to deal directly with a TSDF owner rather than with a chemical waste broker. This move shifted all UCSF solid waste from in-state to out-of-state disposal.

And lastly, UCSF currently uses Rollins Environmental Services. They own an incinerator plant and a secured landfill in Baton Rogue and Plaquemine, Louisiana. Custom Environmental Transport, a Rollins subsidiary, provides transportation of UCSF waste to Louisiana and other states.

Prior to Rollins selection as UCSF hazardous waste vendor, EH&S/HMR underwent extensive review of their chemist, technicians and drivers qualifications and transport records. Their transport records received a satisfactory safety rating from the Department of Transportation. A copy of that letter from DOT is with EH&S/HMR. That rating was the highest rating issued by DOT.

cc:Dr. Balzer
Mohamade Sheykhzadeh
Chron File

E:\ROLLINS\DUMPSITE.87