EH&S Recharge Center Footnotes

- **Sanitation Program**

  The Sanitation Program issues food permits on campus and provides services to guide campus departments, organizations and lease holders in compliance with applicable sanitation laws. The Sanitation service includes regular inspections, inspection follow-up, staff training, consultation, and building plan review. Such services are required under the California Uniform Retail Food Facilities Law.

- **Chemical Waste Program**

  (1) No change to methodology. Adjusted for rising regulator fees and contractor/vendors costs. Direct administrative support costs minimized via collections automation and client control of accounts.

  To accommodate C&G rules - recharges are implemented near the time of service based on estimated costs to be adjusted upon receipt of accurate vendor bill (sometimes greater than 60 days).

  **Unknowns (1)** - This fee is based on our existing labor rate and an approximation of the average staff time needed for processing these items.

  (2) In order to simplify the recharge process, the following waste streams have been combined into one consolidated waste stream: Lab chemicals; Reactives and non-recyclable mercury; Contaminated Debris and sharps; Consolidated solvents, pants, oils and misc. liquids; and batteries.

  (3) Special projects include construction support, laboratory decontamination, clean-outs and off-site waste pickups (contracted out as appropriate).

  Extraordinary waste includes non-routine waste for which a pre-established disposal rate does not exist.

  **Extraordinary Waste - Cylinders (3)** - This fee is based on our existing labor rate and an approximation of the average staff time needed to process a cylinder.

  (4) EH&S Technician and Specialist support for Special Projects: This rate is used in cases where vendor support is either unavailable or is inappropriate for a particular project. This rate may also be used when the markup amount for vendor-supported projects (see line item 2) significantly exceeds the amount of staff time needed to support a particular project.

  The decision to use EH&S labor, or to apply this rate in conjunction with a vendor-supported project, shall be made at the discretion of the EH&S Hazardous Materials Manager.

- **Radiation Safety Program**

  (1) Calculation methodology simplified to consolidate costs under either RUA or Construction Support services. Monthly rates represent fiscal year costs distributed over 12 months. Costs include campus license compliance activities and RUA services and maintenance. Fixed costs (licensing, registration maintenance, and regulatory fees) have been more appropriately distributed across all service lines. Please see narrative for more information.
(2) Services provided include: routine surveys, dosimetry, package inspection and delivery, instrument calibration, radioactive waste management (liquid scintillation vials, and lab debris), radioactive material (RAM) licensing fees, licensing and other costs associated with RAM safety. The hazard classification and fee is derived from hazard guide values where higher hazards require more effort and engender higher implementation costs.

RAM Class 3: Increased number of surveys for highest hazard work mandated. Tracks license maintenance and fees. Increased number of pkgs delivered.

RAM Class 2: Increased routine surveys mandated. Tracks license maintenance and fees. Increased number of pkgs delivered.

RAM Class 1: Mandated routine surveys. Tracks license maintenance and fees. Increased number of pkgs delivered.

Revised: "On-hold" RAM RUA: Now includes charges for fixed costs (license fees and full maintenance). On-hold status does not remove RUA from license and the devices must remain fully registered.

(3) RPM Class 1 ("Electron Microscope & Minor RUA Fee"). This monthly fee covers costs (see details in Note 2) and RPM registration fees and other costs associated with RPM safety.

Class 1 RPM: Actual surveys of electron microscopes prove that more hours are necessary than previously projected. Fixed costs (licensing, registration maintenance, and regulatory fees) have been more appropriately distributed to this service line.

(4) RPM Class 2 RPM. ("Radiation Producing Machine Use Fee")

Class 2 RPM: RPMs were placed into a hazard class system (like RAM) based on hazard. These machines require more frequent survey action than previously projected.

(5) "On-hold" RPM RUAs are inactive RUAs, with a reduced fee. On-hold status does not remove the RPM RUA from license and the devices must remain fully registered.

This fee covers costs (see details in Note 4, above) for EH&S maintenance of the license or registration and the required records, verification of non-use, and other activities as required (e.g. leak testing sealed sources).

On-hold RPM RUAs: Now includes charges for fixed costs (license fees and full maintenance). On-hold status does not remove RPM RUA from license and the devices fully registered even if they are on-hold.

(6) 8.4 hours times the RUA activity hourly rate. The non-routine survey fee is applied services are required beyond the listed service lines above. For example: Additional surveys or actions due to non-compliance in a laboratory will have this rate applied per survey.

(7) Non-routine radiation safety services not covered through defined RUA program activity and that require additional temporary support. Construction and/or non-routine services to other UC campuses include (but are not limited to): new facility/laboratory construction or experiment activity, equipment or facility decontamination, special/additional State
compliance assistance, oversight of specialized contractor or licensed assistance, internal
dose evaluation, contamination/spill support and accident investigation where appropriate,
and litigation assistance and fire. Construction support activities generally require more
specialized effort and staffing to meet the needs including an adjustment for D&D work.

- **Fire & Life Safety Program**

  (1) The Fire Prevention Division's main areas of activity involve work associated with the Fire
  and Life Safety: Construction Services program and Fire and Life Safety: Non-State
  Supported (NSS) Facilities/Services program. Under the Fire Prevention recharge, we
  segregate the two recharge groups based on application of either Title 24 or Title 19.
  Methodology for determining rates has been the same for multiple years and previously
  approved by the campus recharge committee. The Fire and Life Safety recharge program
  uses the simple hourly rate method of calculating recharge rates, for both Construction
  Services and for Fire and Life Safety Services to Non-State Supported organizations.

  (2) The California Code of Regulations (CCR) Title 24 work focuses on plan review approval and
  inspection associated with new construction and facility renovation. With a 2015 UC and
  California State Fire Marshal MOU, authority was re-delegated to designated campus fire
  marshals or deputies to assure compliance and approve activities that would have required
  SFM authorization. The MOU was implemented to improve timely response and apply local
  knowledgeable control of construction efforts on Berkeley Campus property. This has also
  kept construction costs down. Beneficial occupancy approval (allow occupancy and accept
  that the building is in compliance and can be turned over to UC ownership) was also
  delegated to the campus fire marshal.

  (3) CCR Title 19 work focuses on fire egress, general facility inspection, fire extinguishers,
  training and drills for residences halls, and other general fire prevention and safety for
  public or residential venues. This work is also required by the 2015 UC and California State
  Fire Marshal MOU.