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Hazardous Waste Bureau



Environment Safety & Health

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Date: October 3, 2013
Symbol: ADESH-13-052
LAUR: 13-27616

Mr. John E. Kieling
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505

Dear Mr. Kieling:

SUBJECT: THE LOS ALAMOS NATIONAL LABORATORY RESPONSE AND ADDITIONAL SUPPORTING INFORMATION REGARDING THE 2013 ANNUAL HAZARDOUS WASTE INSPECTION

Thank you for the opportunity to respond to the preliminary findings identified in close-out documentation from the 2013 Annual Hazardous Waste Inspection of Los Alamos National Laboratory (LANL), by the New Mexico Environment Department, Hazardous Waste Bureau (NMED-HWB). We previously responded to information requests dated June 14, July 1, and September 25, 2013. LANL is committed to environmental protection and compliance, and respectfully requests your review and consideration of information provided to those responses, including the additional information detailed below. As noted in this response, LANL took immediate corrective actions to address potential violations and implemented measures to ensure future compliance.

The numbered sections below correspond to the proposed violation list, and contain a full response including additional information as necessary to facilitate review. Please note that the following does not directly respond to NMED-HWB's noted "issues of concern," although LANL can discuss these issues at the close-out meeting.

1. *Area G -- Bldg. 412 fire suppression system changed may be a modification violation. Violation of Permit Attachment D (Table D-2, page 51), which states that TA-54-412 has a dry-pipe fire suppression system, also violation of Permit Section 2.11.1(5).*

The Permittees did not report this non-compliance in the annual report required by Permit Parts 1.9.12 1.9.14 (Other Noncompliance).

During the inspection, LANL staff informed NMED inspectors that the fire suppression system was changed from "compressed" air to nitrogen in May 2013. LANL previously responded to this proposed allegation in its response to Information Request, dated June 18, 2013 (No.7).



LANL agrees that Building 412 is required to have a “dry-pipe fire suppression” system under Attachment D, Table 2 and permit conditions 2.10.1 and 2.11.2. This alleged violation, however, is based on a factual misunderstanding. As a technical matter, there is no basis to conclude that a change from “compressed air” to “nitrogen” had any impact upon the “dry-pipe” fire suppression system. Please find the enclosed affidavit from the LANL Fire Marshal, Mr. James Streit, confirming that from a technical standpoint, the temporary change to use nitrogen did not impact the fire suppression systems protecting Building TA-54-412 and that the fire sprinkler system remained a “dry-pipe” system in accordance with the Permit and Standards under the National Fire Protection Association (NFPA) (*see* Enclosure 1). Since there was no change to the dry-pipe fire suppression system, there is no basis to support a violation of Permit Section 2.11.1[5].

LANL respectfully requests that NMED-HWB withdraw this proposed finding of violation based on the above information and additional documentation.

- 2. Area G – Secondary containment pallets are rated for 83 gallons. During the inspection, NMED observed 85-gallon drums labeled as containing liquid. Permit Attachment A for Area G (A.4.2) states that secondary containment pallets have a design capacity of 83 gallons, but the stated dimensions of 50in x 50in x 17in results in a volume of 184 gallons. If the capacity stated in the Permit is wrong, the Permittees should submit a Class 1 permit modification.*

If the stated capacity is correct, this is a violation of Permit Section 3.7.1(2), which requires the containment system to have “sufficient capacity to contain 10% of the volume of containers or the volume of the largest container holding free liquids, whichever is greater.”

LANL’s response did not provide the information requested, i.e., “documentation that the secondary containment pallets that hold 85-gallon drums have a minimum capacity of 85 gallons,” in violation of Permit Section 1.9.7 (Duty to Provide Information).

LANL agrees that the secondary containment pallet at issue (50in x 50in x 17) as described in Permit Attachment A is rated for 83 gallons, and that Permit Section 3.7.1(2) requires the containment system to have “sufficient capacity to contain 10% of the volume of containers or the volume of the largest container holding free liquids, whichever is greater.” For the reasons provided below, LANL believes that the secondary containment pallet fully meets the permit requirement, incorporating 40 CFR §264.175.

The manufacturer of this pallet is *ENPAC Corporation* (www.enpac.com), and the manufacturer no longer produces the specification sheet for the specific type of secondary containment pallet at issue. However, as shown on the enclosed photo, the ENPAC Corporation manufacturer label specifically states that the pallet dimensions are “49.5 x 49.5 x 17” and capacity volume is “94” gallons and references 40 CFR §264.175 (*see* Enclosure 2).

As applied in this case, the secondary containment pallet fully meets the permit requirements and 40 CFR §264.175. Assuming that a 55-gallon drum is filled with 100% liquid, and the drum breaches its entire contents (100%) into the 85-gallon overpack, the maximum amount of liquid that could escape from the drum is 55-gallons. Although the 85-gallon is an overpack, it can only contain liquids from the 55-gallon drum; it is not technically feasible for the 85-gallon drum to contain more than 55 gallons of liquid waste (i.e., 85-gallons of liquid waste). The secondary containment pallet (50 x 50 x 17) has a capacity to hold 94 gallons, which is more than sufficient to contain 55 or 85 gallons of liquid waste.

LANL respectfully requests that NMED-HWB withdraw this proposed finding of violation based on the above information and additional documentation provided herein and its prior Information Responses (June 18, 2013 and July 1, 2013).

3. *Area G-- Bldg. 33 questions regarding settling tanks in bldg. the permit does not mention settling tanks or container washing areas. This is a potential area of concern.*

This topic will be discussed at the close-out meeting.

4. *Area G -- Personnel Access Gate Pad 9. Figure 8 is supposed to show security fences, entry gates, and entry stations for Area G, but it does not show the subject gate in violation of Permit Section 2.5. (Security). Also may violate Permit Section 1.9.15. (Omissions or Misstatements in Applications or Other Reports).*

NMED alleges that LANL may have violated Permit Section 2.5 (Security) by failing to denote the personnel access gate at Pad 9 on Figure 8. The personnel access gate is attached to the "vehicle gate entry" depicted on Figure 8 (east end). As discussed in the June 18, 2013 response (No.6), LANL believes that the personnel gate met the requirements of Permit Section 2.5 under 40 CFR §264.14. This rule requires each permitted unit to have a "(1) A 24-hour surveillance continuously monitoring or controlling entry into the permitted units at the Facility; or (2) controlled entry into the permitted units at all times via gates, stations, or other means (e.g., attendants, locks, prohibited or controlled roadway access)." The personnel access gate met these requirements with a controlled entry into TA-54 through badge readers and locking turnstiles, together with administrative controls ensuring controlled access.

Although Figure 8 clearly denotes the "vehicle entry gate," LANL agrees that this figure does not specifically identify the adjoining and attached personnel access (turnstile) gate. To the extent this is unclear, LANL can submit a Class 1 permit modification to change the "vehicle entry gate" to specifically depict the adjoining personnel access (turnstile) gate under Part 270, Appendix I, Item A.1. This is the first time LANL has received a proposed violation under the Permit for this type of issue.

LANL respectfully requests that NMED-HWB withdraw this proposed finding of violation based on the information provided above.

5. *RANT -- there is a second crane on site that is not listed in the permit. Violation of Permit Section 1.6.2 and Permit Section 1.9.10 (Reporting Planned Changes).*

LANL previously responded to this proposed allegation in its information request dated June 18, 2013 (No.7). As stated in that response, only a single crane is used at a time to facilitate waste management operations and ensure continued operations at all times; the second crane is an upgrade from the original crane and functionally equivalent.

Under NMED rules and LANL's Hazardous Waste Facility Permit, the second crane was not legally required to be "listed" in the permit; the only type of equipment required to be identified in a Permit that would subject a regulated entity to significant fines and penalties if changed without undergoing a formal permit modification is "emergency equipment" which is required to be listed under 40 CFR §264.32. Under Item B.6.b, Appendix I to §270.42, a facility that replaces emergency equipment with the functional equivalent is required to modify as a self-implementing Class 1. If a permittee seeks to remove emergency

equipment from the list, the permit must be modified through the Class 2 process (see Item B.6.c). LANL's list of emergency equipment is identified in Attachment D of the Permit.

LANL provided a description of its hazardous waste management equipment such as forklifts and cranes as required by EPA and NMED rules under the "general information" requirements of 40 CFR §270.14(b)(8), which requires an applicant to describe "procedures, structures, or equipment used at the facility to prevent hazards in unloading operations (for example, ramps, special forklifts)." This type of general information was not intended by EPA to be the equivalent to "required equipment" that must be identified under the Permit and enforceable under Part 264 standards; instead, the only type of equipment "required" to be listed in the Permit is emergency equipment which requires a permit modification to change.

LANL submitted a Class 1 permit modification request to include the second crane to TA-54-38 West Indoor Unit as required by NMED to obtain approval for the Class 2 Radioassay and Non-destructive Testing Facility (RANT) permit modification (LANL's Class 2 permit modification request submitted on May 2, 2013, and resubmitted on June 26, 2013). NMED approved the RANT permit modification on September 24, 2013.

For these reasons, LANL respectfully requests that NMED-HWB withdraw this proposed finding of violation based on this information and its response to Information Request No.7 (June 18, 2013).

6. *RANT -- Secondary containment issues. During the inspection NMED staff was told that secondary containment is not necessary at the RANT because all liquid in containers is remediated at Area G before containers are received at the RANT and therefore no liquid waste is ever managed at the RANT. The Permittees violated Permit Section 1.9.7 (Duty to Provide Information) because they failed to provide the information NMED requested.*

LANL provided the requested information in responses dated June 18, 2013 (IR No. 4), July 1, 2013 and September 25, 2013 (IR No. 1). As shown by the batch data reports provided to NMED on September 25, 2013, eight containers revealed the presence of liquids less than 1% of the total volume. These eight containers are S822556 (LA-RTR2-12-0136); 91807 (LA-RTR2-12-0091); 66145 (LA-HERTR-12-0109) S800594, S870129, S850595, S800409, and 66147. As shown in the enclosed documents, however, five of the eight containers were not stored at RANT, and the remaining three containers were shipped to WIPP prior to the inspection (see Enclosure No. 3, Container profiles from LANL's Waste Characterization and Tracking System database). The five containers not stored at RANT are as follows:

- Container Profile No. 66147 (container not stored at RANT, see task history at pg.4)
- Container Profile No. S800409 (container not stored at RANT, see task history at pp. 4-7)
- Container Profile No. S800594 (container not stored at RANT, see task history at pp. 4-7)
- Container Profile No. S850595 (container not stored at RANT, see task history at pp. 5-9)
- Container Profile No. S870129 (container not stored at RANT, see task history at pp. 4-7)

The remaining three containers were shipped to WIPP prior to the inspection:

- Container Profile No. 66145 (received at WIPP on December 6, 2012, see task history, pg.5).
- Container Profile No. 91807 (received at WIPP on October 24, 2012, see task history, pg.6).
- Container Profile No. S822556 (received at WIPP on April 10, 2013, see task history, pg.8).

LANL respectfully requests that NMED-HWB withdraw this alleged finding of violation because it complied with Permit Section 1.9.7 by providing additional documentation and information in this document, and LANL responses to Information Requests on June 18, 2013, July 1, 2013 and September 25, 2013.

7. *Pad 6 Bldg. 153- 65 gal over pack grey metal drum without a label. Marked HAD D008. Failure to label is a violation of P.C.3.6(1).*

LANL respectfully requests that NMED-HWB withdraw this proposed finding of violation based on additional documentation and information presented in Information Response No. 2 (September 25, 2013).

8. *Pad 6 Bldg. 153- cracks in pavement? P.C. 1.9.6*

LANL would need more information to understand NMED-HWB's concern regarding cracks at Pad 6, Building 153. At Pad 6, there are no cracks visible at the container storage unit and no photos were taken of cracks at this area during the inspection. LANL performs routine maintenance at TA-54 on a regular basis, which includes repairing cracks on asphalt pads as necessary.

9. *Bldg. 1057- "Old Weight "Room. CTSI takes universal waste and ballasts from demolishing old buildings and had one four foot cylinder Box containing approximately 50 lamps and one small box of spent lamps (approximately 16) of universal waste that were open 40 CFR 273.13(d)(1), not labeled 40 CFR 273.14(e), with no Accumulation Start Dates 40 CFR 273.15(c)(1).*

LANL agrees that one four foot cylinder box containing lamps of universal waste was open and unlabeled. After the inspection, LANL immediately corrected this issue. As a result of this issue, LANL will make every attempt to transport light bulbs daily to appropriate personnel at TA-60; if this is not possible, LANL will ensure that they are properly packaged, labeled, and stored until such time they can be delivered to TA-60.

10. *Bldg. 38- Mixed waste drum not labeled white 55 gal, no ASD. P.C.3.6(1).*

LANL agrees that the white drum did not have an accumulation start date as required under Permit Condition 3.6(1). After the inspection, LANL immediately corrected this issue and placed an accumulation start date on the container the same day of the inspection (May 13, 2013). See Enclosure No.4 (email communication from Mr. Richard Montoya to Mr. Leonard Trujillo, dated May 13, 2013 stating that the label had been placed on the container (LA-UR-13-27616). See photographs showing container labeled submitted on June 18, 2013 (LA-UR-13-24306) (pp. 18-20).

11. *Equipment Room Bldg. 412- two 5-gal clear containers of used oil not labeled. 40 CFR 279.22(c)(1).*

LANL agrees that the two 5-gallon clear containers were not labeled with the words "used oil." One container stated "90% oil, 10% water"; and the other container stated "90% water, 10% oil". After the inspection, LANL personnel changed the labels on both containers to "Used Oil". The labels now read "90% water, 10% oil."

12. *Equipment Rm – 2 O/W separators may have contained UO are not labeled. 40 CFR 279.22(c)(1), also a failure to make a determination 40 CFR 262.11.*

LANL agrees that containers of used oil are required to meet labeling requirements under 40 CFR §279.22, and if a solid waste, must meet the hazardous waste determination requirements of 40 CFR §262.11.

At the time of the inspection, two oil water separators were located in the equipment room (*see photos* (LAUR-13-24306)). The first oil water separator was out-of-service and discarded (old separator), and was replaced by the second oil water separator (new separator). The old separator was not used to store used oil and did not contain any visible oil. The new separator was in use, and as noted during the inspection, had been used recently.

The old separator was not used to store used oil and did not contain any visible used oil, and therefore, the used oil labeling requirements would not apply. *See* McCoys RCRA Unraveled, Guidance, 2010, §12.1.6.2 regarding used oil-contaminated materials and associated EPA responses on steel turnings no longer containing visible signs of free-flowing oil may be managed as scrap metal. The old separator was discarded as a "solid waste" subject to the requirement to make a hazardous waste determination under §262.11. The new separator was not used to store used oil and there was no evidence or indication of visible liquid in or on the separator, and therefore, the used oil labeling requirements do not apply. This is also evidenced by nearby containers which are in the storage unit. Since the new separator was in use and not a solid waste, it is not subject to the requirement to make a hazardous waste determination under §262.11.

After a thorough fact investigation, LANL agrees that the old separator was solid waste subject to the hazardous waste determination requirement under §262.11; LANL does not believe, however, that it violated the used oil labeling requirement for old or new separators because they were not used to contain used oil and had no visible signs of oil. The new separator was in-use and not discarded solid waste. For these reasons, LANL respectfully requests that NMED-HWB withdraw its proposed findings of violation for the new separator, and the finding that the old separator should have been labeled as "Used Oil."

13. Bldg. 402- 12x6 ft. soils stains that smelled like diesel. Failure to respond to releases. 40 CFR 279.22(d)(3), also a failure to make a determination 40 CFR 262.11.

LANL respectfully requests that NMED-HWB withdraw this proposed finding of violation based on additional documentation and information presented in LANL Information Response No. 1 (September 25, 2013).

*14. Bone Yard- 1 white 1-gal container was open and not labeled.
1 gray 5-gal container poly drum unknown and was leaking.
1 white 5gal poly drum found leaking an unknown sludge onto ground.
1 white 5-gal poly drum PCS W/ Radioactive trefoil found w/o a label.
2- 8lb bags of unidentified white pellets.
1 5-gal container of PCS/rad found open w/o label.
1 white 5-gal container was found inside a blue 30-gal poly drum w/ misc. waste.
1 Wooden box labeled 40mm HE, box was empty but may have contained residue from the ammunition.
Aerosol cans w/ liquid D001. Failure to make a determination 40 CFR 262.11.*

40 CFR §262.11 requires the generator to make a hazardous waste determination for any discarded solid waste, but this requirement does not apply to material that is "in-use" or otherwise product. As described below, the nine containers at issue were either (1) in-use product and not discarded, or (2) non-hazardous

waste as shown by the enclosed documentation. Following is an overall description of the Boneyard Project and a specific description of the contents of each of the nine containers, and supporting hazardous waste determination as denoted.

Boneyard Project

The *Boneyard* is a designated equipment and material storage area used by operations and maintenance personnel. It is surrounded by a fence with a sign that states "Materials Collection and Holding Area". The area included 18 twenty foot cargo containers and an open laydown space for large equipment, vehicles and materials such as pallets and piping. As part of the planning for the closure of Area G, the Associate Directorate for Environmental Programs (ADEP) initiated a project to reduce the footprint of the boneyard storage area. During the footprint reduction project (in progress), ADEP shipped 25 Conex boxes for offsite disposal as LLW and MLLW. Currently, it is holding concrete shielding blocks, equipment, metal piping, and LLW. A description of the project is provided below.

In the first phase of the project, owners identified equipment and materials that were no longer of use. Walkdowns of the boneyard were conducted with LANL Operations, Maintenance and Environmental Compliance personnel to identify hazardous materials in storage that were no longer required. These items were collected and designated as mixed low level radioactive waste (MLLW). A less-than-90-day MLLW storage area was established for consolidation of identified RCRA-regulated waste. Potential RCRA items, such as aerosol cans and batteries, were set aside for release surveys, so that they could be managed as universal waste. The MLLW was shipped to an offsite TSDF for treatment and disposal prior to commencement of the second phase of the boneyard project.

Phase two, which was observed by NMED-HWB inspectors, included removal of all equipment from the cargo containers; draining of liquids such as lubricating oil and hydraulic fluid from large equipment and vehicles; consolidation of equipment into fewer storage containers; and packaging excess equipment for disposal as radioactive waste. Fluids collected were either absorbed for disposal as LLW or recycled for energy recovery. The activities were conducted simultaneously by several work crews to expedite footprint reduction and waste removal.

Description of the Nine Containers

Following is a description of the nine containers, and for ease of reference, please find enclosed individual photos associated with the containers previously provided in LANL's Information Response (pp. 46-60 of 698) (June 18, 2013) (*see* Enclosure 5.1, Photos).

(a) Bone Yard- One white 1-gal container was open and not labeled.

The container is Rectorseal® No. 5 (photo #1), a non-hazardous pipe thread sealant (MSDS enclosed, Enclosure 5.2). At the time of the inspection, this material was awaiting disposition to the Nevada National Security Site (NNSS) as low level radioactive waste in accordance with LANL Waste Stream No. 24230 (*see* Enclosure 5.3).

(b) One gray 5-gal container poly drum unknown and was leaking.

At the time of the inspection, the 5-gallon gray container (a bucket) was being used by mechanics in the boneyard to collect lubricating/hydraulic oil from equipment prior to disposition of the equipment. After

the bucket was full, it was then emptied into a collection drum labeled "Solidified Oil", "Radioactive". A slight residue of heavy oil mixed with absorbent remains in the bucket and on the outside of the bucket (photo #2). This material is non-hazardous radioactive waste and will be managed under LANL Waste Profile No. 39156 (see Enclosure 5.4). Although not explicitly stated in the description, the acceptable knowledge (AK) documentation provided to create this WPF includes reference to solidified oil (see Enclosure 5.5).

At the time of the inspection, a one gallon metal paint can was inside the bucket. The paint can was removed, examined, and found to be properly labeled and sealed (i.e. the observed residue did not originate from the can). Since the 5-gallon bucket was not discarded waste, LANL was not required to undertake a hazardous waste determination under 40 CFR §262.11.

(c) One white 5-gal poly drum found leaking an unknown sludge onto ground.

At the time of the inspection, the 5-gallon white bucket (photos #3 & 4) was being used by mechanics in the boneyard to collect and mix lubricating/hydraulic oil drained from heavy equipment with absorbent prior to disposition as radioactive waste. This bucket was only partially full and had not yet been emptied into a collection drum labeled "Solidified Oil", "Radioactive". Since the 5-gallon bucket was not discarded waste, LANL was not required to undertake a hazardous waste determination under 40 CFR §262.11.

(d) One white 5-gal poly drum PCS W/ Radioactive trefoil found w/o a label.

At the time of the inspection, the 5-gallon bucket was not discarded waste because it was being used by the mechanics working in the boneyard to collect small amounts of petroleum contaminated soil resulting from draining lubricating/hydraulic oil from equipment. After the 5-gallon buckets are full, they are then emptied into a 55 gallon drum labeled "Solidified Oil", "Radioactive" for disposal as LLW. Since the 5-gallon bucket was not discarded waste, LANL was not required to undertake a hazardous waste determination under 40 CFR §262.11.

(e) Two 8lb bags of unidentified white pellets.

The 2 bags of inert pellets (photo #5) are unused material for fabricating radiological shielding. At the inspection, LANL personnel clearly stated to NMED inspectors that the pellets were not considered waste and were nonhazardous unused material. Since the bags of inert pellets were not discarded waste, LANL was not required to undertake a hazardous waste determination under 40 CFR §262.11.

(f) One 5-gal container of PCS/rad found open w/o label.

At the time of the inspection, the 5-gallon bucket (photo #6) was being used by the mechanics working in the boneyard to collect small amounts of petroleum contaminated soil resulting from draining lubricating/hydraulic oil from equipment. The 5 gallon buckets are then emptied into a 55 gal drum labeled "Solidified Oil", "Radioactive" for disposal as LLW. Since the 5-gallon bucket was not discarded waste, LANL was not required to undertake a hazardous waste determination under 40 CFR §262.11.

(g) One white 5-gal container was found inside a blue 30-gal poly drum w/ misc. waste.

The white 5-gallon plastic bucket (photo #7) contained NAPA® EP wheel bearing grease, which is a non-hazardous material (Enclosure 5.6, MSDS) in use by the heavy equipment operator to lubricate joints on

equipment. The blue 30-gallon poly drum (photo #8) contained unused personal protective equipment (PPE), cool packs, and other safety related items which are not waste. Since the blue 30-gallon drum was not discarded waste, LANL was not required to undertake a hazardous waste determination under 40 CFR §262.11.

(h) One wooden box labeled 40mm HE, box was empty but may have contained residue from the ammunition.

At the time of the inspection, the wooden box was empty and previously contained U.S. Military standard 40mm grenades (HE models M381, M386 and M406). The grenades are all of similar design and construction with a completely sealed outer metal shell. The HE charge inside of the grenade is further contained in either a steel sphere or brass cone. Photo #9 shows a cutaway view of the standard military 40mm HE rounds. There is no technical basis to conclude that HE residue was present on the wooden box because there was no credible pathway for the HE to come in contact with the box without cutting through both the exterior case and interior metal HE containment. The photographs of the wooden box (photos #10 & 11) show that there is no evidence of HE residue visible. The empty wooden box was a solid waste; however, as described above, information and acceptable knowledge on the grenades demonstrated that there is no technical basis for HE residue to have a pathway to contact the wooden box; therefore, the box is not a hazardous waste.

(i) Aerosol cans w/ liquid D001. Failure to make a determination 40 CFR 262.11.

The aerosol can observed during the inspection was a container of NAPA® Starting Fluid (photo #12). The can was partially full, had a Chem Log label (photo #13), and was being used by the heavy equipment operators in the boneyard to start heavy equipment daily. During the inspection, LANL Waste Management Coordinator, Mr. Ron Desotel stated to NMED inspectors that the aerosol can was material in use and therefore not a waste. Since the NAPA starting fluid was product and not discarded waste, LANL was not required to undertake a hazardous waste determination under 40 CFR §262.11.

LANL respectfully requests that NMED-HWB withdraw this proposed finding of violation based on the information provided above.

15. One 55-gal metal drum with gasoline sent off for fuel blending w/o a label. Failure to label with the words Hazardous Waste. 40 CFR 262.34(a)(3).

LANL respectfully requests that NMED-HWB withdraw this proposed finding of violation based on additional documentation and information presented in Information Response No. 3 (September 25, 2013).

16. Issues of concern regarding Pad 10 and Dome 38 Pad 3—had several cracks that need to be repaired.

This topic will be discussed at the close-out meeting.

17. Dome 48 has a tear in the SW corner (approx. 3ft. hole). Violation of P.C. 3.12.3.5.ii.

LANL agrees that Dome 48 had a tear in the SW corner at the time of the inspection (see Photo TA-54, Bldg. 48 (LAUR-13-24306) provided on June 18, 2013). However, this tear does not appear to violate the LANL Hazardous Waste Facility Permit as cited. The provisions of Permit Section 3.12.3.5.ii are limited to the Containment Pad at TA-54 Area L, Building 39, rather than Dome 48. In addition, the permit condition

cited refers to the maintenance of the epoxy sealer for a concrete floor and curb. Permit Section 3.12, containing specific requirements for container storage at TA-54, does not appear to contain any other conditions relevant to this case at Dome 48.

LANL agrees that the permit does generally require that waste management equipment and structures be maintained. Permit Section 2.6.2, *Repair of Equipment and Structures*, states that "Permittees shall remedy any deterioration or malfunction of equipment or structures discovered during an inspection which may lead to an environmental or human health hazard. The Permittees shall mitigate such deterioration or malfunction within 24 hours of discovery of the problem. The Permittees shall immediately implement remedial action where a hazard is imminent or has already occurred (*see* 40 CFR §264.15(c))."

In this case, however, it is unlikely that the tear presented an environmental or human health hazard. The tear at Dome 48 is located outside of the interior perimeter curbing for the storage pad underlying the fabric structure of the dome. The tear is also located near the bottom of the fabric wall. The asphalt pad and gravel in the vicinity of the tear appear to drain away from the side of the structure and there are no provisions to seal the dome to the concrete pad at that point. Any precipitation that could penetrate the tear under normal circumstances would collect and either drain away from the interior curbing or pond there without further egress into the dome. In the event that precipitation could follow a near horizontal or wind driven pathway over the curbing into the main storage structure of the dome, all containers stored within Dome 48 are elevated with pallets in compliance with the provisions of 40 CFR §264.175 to avoid contact with accumulated liquid. In the case of severe external flooding, the interior curbing represents the barrier for run-on of liquids rather than the unsealed bottom edge of the fabric dome.

For these reasons, LANL does not believe that the fabric tear in the lower fabric edge of Dome 48 represented a deterioration of the structure that had the potential for an imminent environmental or human health hazard and, therefore, a potential permit violation. The tear was repaired on May 22, 2013, under the normal procedures and responses for TA-54 maintenance.

18. Issues of concern in Area L- Cracks on pad and insufficient fire suppression, only one fire extinguisher.

This topic will be discussed at the close-out meeting.

19. Discrepancies in weekly logs for areas L, G, RANT and WCRRS. Approximately 20 IRF's with missing dates and assorted errors in the IRFs. P.C. 2.6 and A.C. E.1

LANL provided Inspection Record Forms (IRFs) for Area L, G, and Waste Characterization, Reduction, and Repacking Facility (WCRRF) as part of its information response dated June, 18, 2013 (No. 7). Of the IRFs provided, five had been corrected with addendums addressing human error in filling out the IRFs as follows: one IRF for TA-54-38 RANT; November 5-11, 2012, Box No. 23 inadvertently left blank; three IRFs for TA-54-49 Area G (January 28, 2013-February 3, 2013, Date, Time and Inspector signature for February 1, 2013 inadvertently left blank); March 11-17, 2013, Start Date and End Date on p. 2 inadvertently left blank; and April 1-7, 2013, Box No. 23 inadvertently left blank; one IRF for TA-50-69 WCRR (November 19-25, 2012, signed on November 19, 2012, but no waste handled).

In addition to the IRFs with errors corrected via addendum, review of the remainder of the IRFs submitted on June 18, 2013 showed a few other minor errors including the following: (1) one IRF for TA-54 Area L; December 10 -16, 2012, Box No. 20 "Compatibility", was inadvertently left blank on December 12, 2012;

and (2) one IRF for TA-54-412 PAD1 CSU; October 22-28, 2012, Box No. 31 "Inspector(s)" signature, was inadvertently left blank on October 10, 2012.

LANL continues to focus on minimizing human error associated with completing IRFs, and incorporates procedures and training for proper completion of the IRF. Each year, personnel at TA-50 and TA-54 complete thousands of IRFs annually (e.g., 1160). To address these issues, LANL is in the process of converting to an electronic application to conduct inspections at LANL's Transuranic Waste Program (LTP) facilities. LTP environmental staff is working closely with LANL WM-PROG staff to ensure that the electronic inspection forms meet the Hazardous Waste Facility Permit requirements. Using lessons learned from prior NMED inspections, the form was programmed to auto-fill some fields that were most often left blank by inspectors (such as date and waste management unit). The application has been programmed to notify the inspector if an inspection has been missed, or if a field on the IRF has been left blank; it will be impossible to miss inspections or to have an incomplete electronic IRF. Converting to an electronic form allows LTP to build in some features not available with paper, such as 'locking out' a day once the inspection has been signed. That feature ensures that entries cannot be backdated or changed. Locking out enables LTP IRF reviewers to perform the review electronically because once signed by the inspector, the system sends an email prompt to the reviewer notifying him/her that the form is ready for review. LANL is hopeful that this new electronic system will reduce errors in completing IRFs.

20. Pad 6 Bldg. 153. One- 55 gal over-pack white Drum #S844648 labeled "leaking drum" was not on secondary containment as is required in their permit. 40 CFR 264.175(b)(3). PC3.12.1(2).

The drum in question (#S846648) [note: LANL compared the photo to NMED-HWB's proposed findings and determined that the container number had been incorrectly transcribed] was an 85-gallon container that was empty and contained no liquids located at Pad 6, Building 153. Since the 85-gallon container was empty and held no liquids, it was not subject to the cited permit requirement to be stored on secondary containment pallets. Furthermore, the faded writing on the drum (i.e., "leaking drum") was a remnant of past waste management practices and not a label used to meet the labeling requirements in 40 CFR §264.175(b)(3). When a drum contains free liquids, a computer generated label is placed on the drum and reads "Free Liquids" in accordance with Permit Section 3.6(2).

LANL respectfully requests that NMED-HWB withdrawn this proposed finding of violation based on the additional documentation contained in this response.

21. Area G Pad 5 Bldg. 224. Failure to change eyewash fluid in portable eyewash stations every 6 months. Violation of Section 2.10.2, Permit Section 2.10.1 and 40 CFR 264.33.

LANL respectfully requests that NMED-HWB withdraw this proposed finding of violation based on additional documentation and information presented in Information Response No. 6 (September 25, 2013).

22. Area L- Failure to repair emergency evacuation alarms promptly. Violation of PC2.10.2, 40 CFR 270.32(b)(2) and 40 CFR 264.31.

Under Permit Condition 2.10.2, "[i]f testing or inspections identify any ...nonfunctioning communications equipment, alarm system..., the Permittees shall ensure it is promptly repaired *or provide substitute equipment...*[and] ensure that employees and contractors working in the area are notified of the presence of substitute equipment and, if necessary, provide them with training in its use" (emphasis added). Permit Attachment D, Contingency Plan, lists a several types of communication equipment for TA-54, Area L at

Table D-1 to meet the emergency communication requirements of 40 CFR §264.32. These include emergency paging loudspeakers (public address system), alpha-numeric pagers, cell phones, two way radios, fire alarms, and telephones in several buildings in addition to the emergency evacuation alarms.

When the alarms became inoperable, the TA-54 Operations Center alerted staff and activated substitute equipment including use of a public address (PA) system, pagers, and radios. Notices for this change are posted in the TA-54 Operations Center, and signs were placed at Area L. An entry describing the change was made in the facility operations logbook as documentation for the change (see Enclosure 6). While processing the procurement documentation and work package, lightning strikes further damaged the alarm system. LANL has put a high priority on repairing the evacuation alarms.

Although the alarm system has not been repaired, LANL believes that it complied with Permit Condition Section 2.10.2 insofar as LANL promptly provided *substitute equipment* (public address system, pagers, and radios) for the evacuation alarms in the working area as well as notice of the change. For these reasons, LANL respectfully requests that NMED-HWB withdraw this proposed finding of violation based on this response.

23. *Failure to make an attempt to contact the TSD within 35 days after shipping hazardous waste in order to ensure that the waste was received for the following Manifests:*

#007050164JJK

#007047333JJK

#007047405JJK

Violation of 40 CFR 262.42(a)(1).

LANL respectfully requests that NMED-HWB withdraw this proposed finding of violation based on additional documentation and information presented in Information Response No. 6 (June 18, 2013 and September 25, 2013).

24. *(TA-3) Building 4200 Site ID#2770- one gallon bucket of light bulbs (labeled universal waste) with no Accumulation Start Date. This is a violation of 40 CFR 273.15(c)(1).*

LANL agrees that the facts showed that there was a one-gallon bucket of light bulbs labeled "universal waste" with no accumulation start date. As a result of this violation, the personnel at TA-3 were given more on-the-job training regarding the management of universal waste.

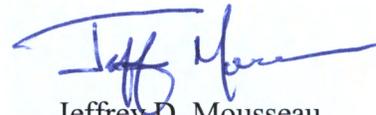
Please contact Mark Haagenstad (505) 665-2014 of my staff if additional information would be helpful.

Sincerely,



Michael T. Brandt, DrPH, CIH
Associate Director
Environment, Safety & Health
Los Alamos National Security, LLC

Sincerely,



Jeffrey D. Mousseau
Associate Director
Environmental Program
Los Alamos National Security, LLC

MTB:JDM:GEM

- Enclosures:
1. Affidavit of James R. Streit
 2. ENPAC Spill Pallet Label
 3. WCATS Container Profiles
 4. May 13, 2013 Email
 - 5.1 Numbered Boneyard Pictures
 - 5.2 Rectorseal MSDS
 - 5.3 Waste Profile Stream Id. #24230
 - 5.4 Waste Profile Form #39156
 - 5.5 Acceptable Knowledge Package WSP40500
 - 5.6 NAPA® EP Wheel Bearing Grease MSDS
 6. TA-54 Operations Center Logbook, April 15, 2013

Cy: Tom Blaine, NMED/HWB, Santa Fe, NM
Carl A. Beard, PADOPS, (E-File)
Michael T. Brandt, ADESH, (E-File)
Robert L. Dodge, WM-DO, (E-File)
Michelle L. Coriz, WM-PROG, (E-File)
Mark P. Haagenstad, WM-PROG, (E-File)
Geri E. Martinez, WM-PROG, (E-File)
Victoria A. George, REG-DO, (E-File)
Kathryn M. Roberts, REG-SP, (E-File)
LASOmailbox@nnsa.doe.gov, (E-File)
locatetesteam@lanl.gov, (E-File)
WM-DO Correspondence File, K490

ENCLOSURE 1

AFFIDAVIT OF JAMES R. STREIT

ADESH-13-052

LAUR-13-27616

Date: October 3, 2013

AFFIDAVIT OF JAMES R. STREIT

1. I, James R. Streit, am an employee of Los Alamos National Security, LLC at the Los Alamos National Laboratory (LANL). I have worked at LANL since February 1999.
2. I am currently employed as the Fire Protection Division Leader and serve as the Laboratory's Fire Marshal. I have served in the position of the Laboratory Fire Marshal since late 2001.
3. I am familiar with the "dry-pipe" automatic fire sprinkler systems protecting Building TA-54-412, Area G. The two dry-pipe automatic fire sprinkler systems in the Building were designed and installed in accordance with the code of record edition of National Fire Protection Association (NFPA) Standard No. 13, *Standard for the Installation of Sprinkler Systems*, as required by DOE directive(s) and standards. Automatic dry-pipe fire sprinkler systems consist of automatic sprinkler heads attached to a piping system containing air or nitrogen under pressure, the release of which (as from the opening of a sprinkler head in response to a fire) permits the supply water pressure to open a valve known as a dry pipe valve, and the water then flows into the piping system and out the open sprinkler heads [Ref.: NFPA 13 (2010 edition) ¶ 3.4.5]. Dry-pipe systems are utilized to protect structures that lack reliable heat to prevent the freezing of water-filled pipe, such as exists at Building TA-54-412. The compressed air or nitrogen within the sprinkler piping network performs two key functions; (a) holds the dry-pipe valve closed pending activation of a sprinkler head – thus protecting the piping network from freeze damage, and (b) provides 'supervision' of the integrity of the piping network (detects leaks or inadvertent sprinkler failure). For the latter function, the air or nitrogen pressure is 'supervised' by a fire alarm panel, which produces a supervisory alarm signal should the air or nitrogen pressure drop below a certain set-point which indicates a leak or other adverse condition in the piping network. NFPA 13 § 7.2.6 describes the requirements for providing compressed air or nitrogen for dry-pipe sprinkler systems. Specifically, NFPA 13 ¶ 7.2.6.2.1 states that "...*air or nitrogen pressure shall be maintained on dry pipe systems throughout the year.*" Furthermore, NFPA 13 ¶ 7.2.6.7 states that "...*where used, nitrogen shall be introduced through a pressure regulator and shall be in accordance with 7.2.6.5*" which then specifies that the supply of nitrogen shall be maintained automatically to the dry pipe system. In short, NFPA 13 confirms that either compressed air or nitrogen shall be used for dry-pipe automatic sprinkler systems.
4. In May 2012, the dry-pipe automatic fire sprinkler systems protecting LANL Building TA-54-412, Area G changed configuration temporarily from being supplied with "compressed air" to utilizing "nitrogen (portable cylinders)" for the purposes of providing 'air' pressure within the system piping network as required by NFPA 13. The change was made in response to a failure in the compressor located in Building TA-54-412 providing the "compressed air" to the dry-pipe systems. Transition to nitrogen allowed LANL to retain the dry-pipe automatic sprinkler systems in-service pending planned repairs to the air compressor. The change to nitrogen has no adverse technical impact upon the functionality of the "dry-pipe" automatic fire sprinkler systems protecting Building TA-54-412, Area G, as the use of nitrogen for this purpose is fully-compliant with NFPA 13 requirements. As a result of this temporary change to use nitrogen, the fire suppression systems protecting Building TA-54-412 have remained "dry-pipe" automatic fire sprinkler systems in accordance with NFPA 13 requirements.

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NFPA® 13
Standard for the
Installation of Sprinkler Systems
2010 Edition

This edition of NFPA 13, *Standard for the Installation of Sprinkler Systems*, was prepared by the Technical Committee on Hanging and Bracing of Water-Based Fire Protection Systems, Private Water Supply Piping Systems, Residential Sprinkler Systems, Sprinkler System Discharge Criteria, and Sprinkler System Installation Criteria and released by the Technical Correlating Committee on Automatic Sprinkler Systems, and acted on by NFPA at its June Association Technical Meeting held June 8-11, 2009, in Chicago, IL. It was issued by the Standards Council on August 6, 2009, with an effective date of August 26, 2009, and supersedes all previous editions.

This edition of NFPA 13 was approved as an American National Standard on August 26, 2009.

Origin and Development of NFPA 13

NFPA 13 represents the first standard published under the auspices of the NFPA Committee on Automatic Sprinklers. Originally titled *Rules and Regulations of the National Board of Fire Underwriters for Sprinkler Equipments, Automatic and Open Systems*, the standard has been continuously updated to keep in step with change.

Full information about the NFPA actions on various changes will be found in the NFPA Proceedings. The dates of successive editions are as follows: 1896, 1899, 1902, 1905, 1907, 1908, 1912, 1913, 1915, 1916, 1917, 1919, 1920, 1921, 1922, 1923, 1924, 1925, 1926, 1927, 1928, 1929. In 1930, a separate standard was published on Class B systems. This was integrated into the 1931 edition. Further revisions were adopted in 1934, 1935, and 1936. A two-step revision was presented in the form of a progress report in 1939 and finally adopted in 1940. Further amendments were made in 1947, 1950, 1953, 1956, 1958, 1960, 1961, 1963, 1964, 1965, 1966, 1968, 1969, 1971, 1972, 1973, 1974, 1975, 1976, 1978, 1980, 1982, 1984, 1986, and 1989.

The 1991 edition incorporated an entire rewrite of the standard to make the overall format user friendly. Substantive changes were made to numerous terms, definitions, and descriptions, with additional refinements made in 1994.

The centennial (1996) edition included a significant rework of the requirements pertaining to the application, placement, location, spacing, and use of various types of sprinklers. Other changes provided information on extended coverage sprinklers and recognized the benefits of fast-response sprinkler technology.

The 1999 edition encompassed a major reorganization of NFPA's Sprinkler Project that included the establishment of a Technical Correlating Committee on Automatic Sprinkler Systems and four new sprinkler systems technical committees, the consolidation of NFPA's sprinkler system design and installation requirements, and the implementation of numerous technical changes.

The scope of NFPA 13 was expanded to address all sprinkler system applications. The 1999 edition contained information on the installation of underground pipe from NFPA 24 and sprinkler system discharge criteria for on-floor and rack storage of Class I, II, III, IV, and plastic commodities, rubber tires, baled cotton, and roll paper that were previously located in NFPA 231, 231C, 231D, 231E, and 231F. Additionally, sprinkler system information for specialized hazards from over 40 NFPA documents was either copied into NFPA 13 using NFPA's extract policy or specifically referenced. A new chapter was also added to address the structural aspects of exposed and buried system piping. A table of cross-references to previous editions and material that was located in other NFPA documents was included at the end of the 1999 edition.

More specific changes included a new sprinkler identification marking system and the designation of sprinkler sizes by nominal K-factors. New criteria for the use of steel pipe in underground applications was added, as well as a new provision to guard against microbio-

3.3.15 Pipe Schedule System. A sprinkler system in which the pipe sizing is selected from a schedule that is determined by the occupancy classification and in which a given number of sprinklers are allowed to be supplied from specific sizes of pipe.

3.3.16 Shop-Welded. As used in this standard, *shop* in the term *shop-welded* means either (1) a sprinkler contractor's or fabricator's premise or (2) an area specifically designed or authorized for welding, such as a detached outside location, maintenance shop, or other area (either temporary or permanent) of noncombustible or fire-resistive construction free of combustible and flammable contents and suitably segregated from adjacent areas.

3.3.17 Small Room. A room of light hazard occupancy classification having unobstructed construction, and a floor area not exceeding 800 ft² (74.3 m²) that is enclosed by walls and ceiling. Each wall in the small room is permitted to have openings to an adjoining space if the openings have a minimum lintel depth of 8 in. (200 mm) from the ceiling and the total width of the openings in each wall does not exceed 8 ft (2.4 m). A single opening of 36 in. (900 mm) or less in width without a lintel is permitted.

3.3.18* Sprinkler System. For fire protection purposes, an integrated system of underground and overhead piping designed in accordance with fire protection engineering standards. The installation includes at least one automatic water supply that supplies one or more systems. The portion of the sprinkler system above ground is a network of specially sized or hydraulically designed piping installed in a building, structure, or area, generally overhead, and to which sprinklers are attached in a systematic pattern. Each system has a control valve located in the system riser or its supply piping. Each sprinkler system includes a device for actuating an alarm when the system is in operation. The system is usually activated by heat from a fire and discharges water over the fire area.

3.3.19 System Working Pressure. The maximum anticipated static (nonflowing) or flowing pressure applied to sprinkler system components exclusive of surge pressures and exclusive of pressure from the fire department connection.

3.3.20 Thermal Barrier. A material that limits the average temperature rise of the unexposed surface to not more than 250°F (139°C) above ambient for a specified fire exposure duration using the standard time-temperature curve of NFPA 251, *Standard Methods of Tests of Fire Resistance of Building Construction and Materials*, or ASTM E 119, *Standard Test Methods for Fire Tests of Building Construction and Materials*.

3.4 Sprinkler System Type Definitions.

3.4.1 Antifreeze Sprinkler System. A wet pipe sprinkler system employing automatic sprinklers that are attached to a piping system that contains an antifreeze solution and that are connected to a water supply. The antifreeze solution is discharged, followed by water, immediately upon operation of sprinklers opened by heat from a fire.

3.4.2 Circulating Closed-Loop Sprinkler System. A wet pipe sprinkler system having non-fire protection connections to automatic sprinkler systems in a closed-loop piping arrangement for the purpose of utilizing sprinkler piping to conduct water for heating or cooling, where water is not removed or used from the system but only circulated through the piping system.

3.4.3 Combined Dry Pipe-Preaction Sprinkler System. A sprinkler system employing automatic sprinklers attached to a piping system containing air under pressure with a supplemental

detection system installed in the same areas as the sprinklers. Operation of the detection system actuates tripping devices that open dry pipe valves simultaneously and without loss of air pressure in the system. Operation of the detection system also opens listed air exhaust valves at the end of the feed main, which usually precedes the opening of sprinklers. The detection system also serves as an automatic fire alarm system.

3.4.4 Deluge Sprinkler System. A sprinkler system employing open sprinklers that are attached to a piping system that is connected to a water supply through a valve that is opened by the operation of a detection system installed in the same areas as the sprinklers. When this valve opens, water flows into the piping system and discharges from all sprinklers attached thereto.

3.4.5 Dry Pipe Sprinkler System. A sprinkler system employing automatic sprinklers that are attached to a piping system containing air or nitrogen under pressure, the release of which (as from the opening of a sprinkler) permits the water pressure to open a valve known as a dry pipe valve, and the water then flows into the piping system and out the opened sprinklers.

3.4.6* Gridded Sprinkler System. A sprinkler system in which parallel cross mains are connected by multiple branch lines. An operating sprinkler will receive water from both ends of its branch line while other branch lines help transfer water between cross mains.

3.4.7* Looped Sprinkler System. A sprinkler system in which multiple cross mains are tied together so as to provide more than one path for water to flow to an operating sprinkler and branch lines are not tied together.

3.4.8 Multi-Cycle System. A type of sprinkler system capable of repeated on-off flow cycles in response to heat.

3.4.9* Preaction Sprinkler System. A sprinkler system employing automatic sprinklers that are attached to a piping system that contains air that might or might not be under pressure, with a supplemental detection system installed in the same areas as the sprinklers.

3.4.10 Wet Pipe Sprinkler System. A sprinkler system employing automatic sprinklers attached to a piping system containing water and connected to a water supply so that water discharges immediately from sprinklers opened by heat from a fire.

3.5* System Component Definitions.

3.5.1 Air Receiver. A chamber, compatible with an air compressor, that can store air under pressure that is higher in pressure than that in the dry pipe or preaction system piping.

3.5.2 Air Reservoir. A chamber that can store air at the same pressure that is in the wet pipe system piping.

3.5.3 Arm-Over. A horizontal pipe that extends from the branch line to a single sprinkler or a sprinkler above and below a ceiling.

3.5.4 Branch Lines. The pipes supplying sprinklers, either directly or through sprigs, drops, return bends, or arm-overs.

3.5.5 Cross Mains. The pipes supplying the branch lines, either directly or through risers.

3.5.6 Feed Mains. The pipes supplying cross mains, either directly or through risers.

3.5.7 Flexible Listed Pipe Coupling. A listed coupling or fitting that allows axial displacement, rotation, and at least 1 degree of angular movement of the pipe without inducing harm on the

7.2.6.2.3 High Water Level Device. An automatic high water level signaling device or an automatic drain shall be permitted.

7.2.6 Air Pressure and Supply.

7.2.6.1 Maintenance of Air Pressure. Air or nitrogen pressure shall be maintained on dry pipe systems throughout the year.

7.2.6.2* Air Supply.

7.2.6.2.1 The compressed air supply shall be from a source available at all times.

7.2.6.2.2* The air supply shall have a capacity capable of restoring normal air pressure in the system within 30 minutes.

7.2.6.2.3 The requirements of 7.2.6.2.2 shall not apply in refrigerated spaces maintained below 5°F (-15°C), where normal system air pressure shall be permitted to be restored within 60 minutes.

7.2.6.3 Air Supply Connections.

7.2.6.3.1 Connection pipe from the air supply to the dry pipe valve shall not be less than ½ in. (15 mm) in diameter and shall enter the system above the priming water level of the dry pipe valve.

7.2.6.3.2 A check valve shall be installed in the air filling connection, and a listed or approved shutoff valve of either the renewable disc or ball valve type shall be installed on the supply side of this check valve and shall remain closed unless filling the system.

7.2.6.4 Relief Valve. An approved relief valve shall be provided between the air supply and the shutoff valve and shall be set to relieve pressure no less than 10 psi (0.7 bar) in excess of system air pressure provided in 7.2.6.6.1 and shall not exceed the manufacturer's limitations.

7.2.6.5 Automatic Air Maintenance.

7.2.6.5.1* Unless the requirements of 7.2.6.5.2 are met, where the air supply to a dry pipe system is maintained automatically, the air supply shall be from a dependable plant system or an air compressor with an air receiver, and shall utilize an air maintenance device specifically listed for such service and capable of controlling the required air pressure on, and maximum airflow to, the dry pipe system.

7.2.6.5.2 Where the air compressor supplying the dry pipe system has a capacity less than 5.5 ft³/min (156 L/min) at 10 psi (0.7 bar), an air receiver or air maintenance device shall not be required.

7.2.6.5.3 The automatic air supply to more than one dry pipe system shall be connected to enable individual maintenance of air pressure in each system.

7.2.6.5.4 A check valve or other positive backflow prevention device shall be installed in the air supply to each system to prevent airflow or waterflow from one system to another.

7.2.6.6 System Air Pressure.

7.2.6.6.1 The system air pressure shall be maintained in accordance with the instruction sheet furnished with the dry pipe valve, or shall be 20 psi (1.4 bar) in excess of the calculated trip pressure of the dry pipe valve, based on the highest normal water pressure of the system supply.

7.2.6.6.2 The permitted rate of air leakage shall be as specified in 24.2.2.

7.2.6.7 Nitrogen. Where used, nitrogen shall be introduced through a pressure regulator and shall be in accordance with 7.2.6.5.

7.3 Preaction Systems and Deluge Systems.

7.3.1* General.

7.3.1.1* All components of pneumatic, hydraulic, or electrical systems shall be compatible.

7.3.1.2 The automatic water control valve shall be provided with hydraulic, pneumatic, or mechanical manual means for operation that is independent of detection devices and of the sprinklers.

7.3.1.3 Pressure Gauges. Listed pressure gauges conforming with 8.17.3 shall be installed as follows:

- (1) Above and below preaction valve and below deluge valve
- (2) On air supply to preaction and deluge valves

7.3.1.4 A supply of spare fusible elements for heat-responsive devices, not less than two of each temperature rating, shall be maintained on the premises for replacement purposes.

7.3.1.5 Hydraulic release systems shall be designed and installed in accordance with manufacturer's requirements and listing for height limitations above deluge valves or deluge valve actuators to prevent water column.

7.3.1.6 Location and Spacing of Releasing Devices.

7.3.1.6.1 Spacing of releasing devices, including automatic sprinklers used as releasing devices, shall be in accordance with their listing and manufacturer's specifications.

7.3.1.6.2 The release system shall serve all areas that the preaction system protects.

7.3.1.6.3 Where thermal activation is utilized, the activation temperature of the release system shall be lower than the activation temperature of the sprinkler.

7.3.1.7 Devices for Test Purposes and Testing Apparatus.

7.3.1.7.1 Where detection devices installed in circuits are located where not readily accessible for testing, an additional detection device shall be provided on each circuit for test purposes at an accessible location and shall be connected to the circuit at a point that will ensure a proper test of the circuit.

7.3.1.7.2 Testing apparatus capable of producing the heat or impulse necessary to operate any normal detection device shall be furnished to the owner of the property with each installation.

7.3.1.7.3 Where explosive vapors or materials are present, hot water, steam, or other methods of testing not involving an ignition source shall be used.

7.3.1.8 Location and Protection of System Water Control Valves.

7.3.1.8.1 System water control valves and supply pipes shall be protected against freezing and mechanical injury.

7.3.1.8.2 Valve Rooms.

7.3.1.8.2.1 Valve rooms shall be lighted and heated.

7.3.1.8.2.2 The source of heat shall be of a permanently installed type.

7.3.1.8.2.3 Heat tape shall not be used in lieu of heated valve enclosure rooms to protect preaction and deluge valves and supply pipe against freezing.

ENCLOSURE 2

**PICTURE OF ENPAC CORPORATION SPILLPALLET
LABEL (TA-54 G)**

ADESH-13-052

LAUR-13-27616

Date: October 3, 2013



ENPAC
CORPORATION

POLY - SPILLPALLET™ 6000

PART NO. 5001
94 GALLON CAPACITY
49.5" X 49.5" X 17" O.D.
40 CFR 264.175

PATENT PENDING

ENPAC CORPORATION
Chardon, Ohio

LIMITED WARRANTY

ENPAC Corporation warrants its products to be free from defects in material and workmanship upon delivery, provided claim is made within 90 days from shipment of product by ENPAC. ENPAC's liability is limited in that ENPAC's sole obligation shall be to repair or replace product that ENPAC determines is defective in material or workmanship. In no event shall ENPAC be liable for indirect, incidental, consequential or special damages arising out of defects in material or workmanship, or arising out of misuse of product, or arising out of delay in or failure of delivery.

* User responsible for chemical compatibility.

ENCLOSURE 3

**WASTE COMPLIANCE AND TRACKING SYSTEM
(WCATS) CONTAINER PROFILE S822556, 91807,
66145, S800594, S870129, S850595, S800409, and 66147**

ADESH-13-052

LAUR-13-27616

Date: October 3, 2013



CONTAINER PROFILE
S822556
T-TTRU-TEMP

WS ID: 37017
C ID: 752613
Opt ID: 010211
ACTIVE

GENERAL INFORMATION

Container ID: 752613
Labeled ID: S822556
Optional ID: 010211
Chemical Barcode:
Physical State: SOLID
Waste Stream ID: 37017
Work Path: T-TTRU-TEMP
Quantity (Univ):
Compatible:



Status: ACTIVE
Decommissioned: NO
Container Type: DM: Metal drums, barrels, kegs
Container Subtype: 55-gallon steel drum
Origin Date: 15-Feb-1982 12:00 am
Accum Start Date: 15-Feb-1982
Closed Date:

Discard Matrix:

TID(s):
Gen Contact:
Insert By: WCATS APPLICATION (000000)
Waste Desc: GENERATED AT 55-PF4

WEIGHTS AND VOLUMES

Container Volume: 0.21 CM **Gross Weight:** 122.16 lb
Waste Volume: NOT SPECIFIED **Tare Weight:** 69.00 lb
Net Weight: 53.16 lb

LOCATION

Pickup (Origin): LANL: 55-PF4: 400-AREA: 432
Current: WIPP: OPER: RECV



CONTAINER PROFILE
S822556
T-TTRU-TEMP

WS ID: 37017
C ID: 752613
Opt ID: 010211
ACTIVE

RADIONUCLIDES

Nuclide	Amount	Unit	Uncert	MT Derived (Y/N)	Activated (Y/N)	MDA Result (Y/N)	Normal Form (Y/N)	Measurement Code/Comment
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Status: Inactive, Assay Page: 366193, Date: 02/15/1982, Derivation: Generator Entered Results (e.g., Offsite Assay)

52	0.00E+000	Ci	0.00E+000	N				NONE
Am-241	0.00E+000	Ci	0.00E+000	Y			Y	
Pu-238	0.00E+000	Ci	0.00E+000	Y			Y	
Pu-239	0.00E+000	Ci	0.00E+000	Y			Y	
Pu-240	0.00E+000	Ci	0.00E+000	Y			Y	
Pu-241	0.00E+000	Ci	0.00E+000	Y			Y	
Pu-242	0.00E+000	Ci	0.00E+000	Y			Y	
U-234	0.00E+000	Ci	0.00E+000	Y			Y	
U-235	0.00E+000	Ci	0.00E+000	Y			Y	

Status: Active, Assay Page: 406863, Date: 02/04/2013, Derivation: Non-Destructive Assay (NDA)

Am-241	9.71E-003	Ci	2.38E-003	N			Y	
Np-237	0.00E+000	Ci	0.00E+000	N			Y	
Pu-238	3.76E-003	Ci	6.00E-004	N			Y	
Pu-239	1.39E-001	Ci	2.23E-002	N			Y	
Pu-240	3.26E-002	Ci	5.20E-003	N			Y	
Pu-241	2.92E-001	Ci	4.67E-002	N			Y	
Pu-242	1.88E-006	Ci	3.00E-007	N			Y	
U-235	0.00E+000	Ci	0.00E+000	N			Y	



CONTAINER PROFILE
S822556
T-TTRU-TEMP

WS ID: 37017
C ID: 752613
Opt ID: 010211
ACTIVE

RAD CALCULATIONS

Total Activity (nCi/g):	1.97860E+04	DOT Fissile Mat (g):	2.24210E+00
Alpha (nCi/g):	7.67593E+03	Transport Index:	
TRU Alpha (nCi/g):	7.67563E+03	NRC Class:	GTCC
Pu-239 FGE [2U]:	2.96744E+00	DOT Type:	B
Pu-239 Eq-Ci:	1.90619E-01	LSA-I Fraction:	9.61598E+03 N
Pu-239 Eq-Ci [2U]:	2.36721E-01	LSA-II Fraction:	2.91466E+00 N
TRU Pu-239 Eq-Ci:	1.90619E-01	LSA-III Fraction:	1.45733E-01 Y
TRU Pu-239 Eq-Ci [2U]:	2.36721E-01	Reportable Quantity:	1.87992E+01 Y
Decay Heat [U] (W):	6.58198E-03	* ALC Ratio:	1.87839E+06 NE
Tritium (Ci/m3):	0.00000E+00	* ACM Ratio:	2.88479E+05 NE
TRU ECW PE-Ci:	4.76548E-02	Limited Quantity:	7.02773E+03 N

Weight/Volume Used:

1 Container Net Weight: 2.41116E+01 kg
 2 Container Volume: 2.08000E-01 m3

*ALC (Activity Limit for Exempt Consignment)
 *ACM (Activity Concentration for Exempt Material)
 U = 1 Uncertainty, 2U = 2 Uncertainty

TASK HISTORY

Date/Time	Task ID/Status	Task Name/ Storage or Disposal Grid Location	Reject
02/16/1982 12:00 AM	1330805 EXECUTED	LANL:55-PF4 » 54-G:PAD02 POST 01:LAYER 03:POSITION EAST	NO
11/14/2000 11:00 AM	1345265 EXECUTED	LANL:54-G » 54-G:000033	NO
12/05/2000 12:00 AM	1345266 EXECUTED	LANL:54-G » 54-G:000375 STAGING	NO
01/30/2002 12:00 AM	1345267 EXECUTED	LANL:54-G » 54-G:000375 COLUMN 034:LAYER 03:ROW 06	NO
08/26/2004 12:58 PM	1345268 EXECUTED	LANL:54-G » 54-G:000375 COLUMN 120:NOT SPECIFIED:NOT SPECIFIED	NO
07/27/2005 10:01 AM	1345269 EXECUTED	LANL:54-G » 54-G:000375 COLUMN 120:LAYER 02:NOT SPECIFIED	NO
02/22/2006 9:09 AM	1345270 EXECUTED	LANL:54-G » 54-G:000375 COLUMN 120:NOT SPECIFIED:NOT SPECIFIED	NO
07/11/2006 10:27 AM	1345271 EXECUTED	LANL:54-G » 54-G:000375 COLUMN 080:LAYER 03:ROW 16	NO
10/22/2006 2:16 PM	1345272 EXECUTED	LANL:54-G » 54-G:000375 COLUMN 072:LAYER 02:ROW 16	NO
12/05/2006 1:35 PM	1345273 EXECUTED	LANL:54-G » 54-G:000375 COLUMN 072:LAYER 01:ROW 16	NO



CONTAINER PROFILE
S822556
T-TTRU-TEMP

WS ID: 37017
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ACTIVE

TASK HISTORY

Date/ Time	Task ID/ Status	Task Name/ Storage or Disposal Grid Location	Reject
12/19/2006 10:35 AM	1345274 EXECUTED	LANL:54-G » 54-G:000375 COLUMN 076:LAYER 01:ROW 15	NO
01/19/2007 8:42 AM	1345275 EXECUTED	LANL:54-G » 54-G:000232 STAGING	NO
04/02/2007 12:00 AM	1345276 EXECUTED	LANL:54-G » 54-G:000375 COLUMN 043:LAYER 03:ROW 15	NO
07/13/2007 10:34 AM	1345277 EXECUTED	LANL:54-G » 54-G:000375 COLUMN 047:LAYER 03:ROW 15	NO
08/22/2008 1:35 PM	1345279 EXECUTED	LANL:54-G » 54-G:000375 COLUMN 051:LAYER 03:ROW 03	NO
09/08/2008 4:32 PM	1345280 EXECUTED	LANL:54-G » 54-G:000375 COLUMN 035:LAYER 01:ROW 05	NO
01/28/2009 2:52 PM	1345281 EXECUTED	LANL:54-G » 54-G:000375 COLUMN 039:LAYER 02:ROW 05	NO
06/25/2009 11:18 AM	1345839 EXECUTED	LANL:54-G » 54-G:000231 COLUMN 061:LAYER 02:ROW 03	NO
06/26/2009 5:36 PM	1345840 EXECUTED	LANL:54-G » 54-G:000231 STAGING	NO
06/30/2009 2:58 PM	1345841 EXECUTED	LANL:54-G » 54-G:000232 STAGING	NO
08/17/2009 7:38 AM	1345842 EXECUTED	LANL:54-G » 54-G:RTR-2	NO
08/26/2009 9:40 AM	1345843 EXECUTED	LANL:54-G » 54-G:000048-P10	NO
09/16/2009 8:58 AM	1345844 EXECUTED	LANL:54-G » 54-G:000375 STAGING	NO
09/16/2009 9:46 AM	1345845 EXECUTED	LANL:54-G » 54-G:000375 COLUMN 078:LAYER 03:ROW 05	NO
10/15/2009 2:14 PM	1345846 EXECUTED	LANL:54-G » 54-G:000375 COLUMN 090:LAYER 03:ROW 07	NO
10/21/2009 11:26 AM	1345847 EXECUTED	LANL:54-G » 54-G:000375 COLUMN 086:LAYER 01:ROW 09	NO
12/14/2009 4:08 PM	1345848 EXECUTED	LANL:54-G » 54-G:000375 COLUMN 078:LAYER 02:ROW 05	NO
03/23/2010 2:16 PM	1345849 EXECUTED	LANL:54-G » 54-G:000375 COLUMN 078:LAYER 01:ROW 07	NO
05/06/2010 11:36 AM	1345850 EXECUTED	LANL:54-G » 54-G:000375 COLUMN 074:LAYER 01:ROW 11	NO
06/17/2010 11:05 AM	1345851 EXECUTED	LANL:54-G » 54-G:000375 COLUMN 080:LAYER 01:ROW 05	NO
07/26/2010 1:59 PM	1345852 EXECUTED	LANL:54-G » 54-G:000375 COLUMN 096:LAYER 01:ROW 11	NO



CONTAINER PROFILE
S822556
T-TTRU-TEMP

WS ID: 37017
C ID: 752613
Opt ID: 010211
ACTIVE

TASK HISTORY

Date/ Time	Task ID/ Status	Task Name/ Storage or Disposal Grid Location	Reject
08/10/2010 10:26 AM	1345853 EXECUTED	LANL:54-G » 54-G:000375 COLUMN 048:LAYER 01:ROW 09	NO
08/18/2010 2:09 PM	1345854 EXECUTED	LANL:54-G » 54-G:000375 COLUMN 064:LAYER 01:ROW 03	NO
10/05/2010 10:07 AM	1345855 EXECUTED	LANL:54-G » 54-G:000375 COLUMN 076:LAYER 01:ROW 09	NO
10/19/2010 3:13 PM	1345856 EXECUTED	LANL:54-G » 54-G:000375 COLUMN 090:LAYER 02:ROW 02	NO
10/20/2010 11:35 AM	1345857 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 046:LAYER 02:ROW 06	NO
11/04/2010 2:29 PM	1345858 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 055:LAYER 02:ROW 04	NO
02/14/2011 8:43 AM	1345859 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 042:LAYER 01:ROW 06	NO
02/16/2011 9:24 AM	1345860 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 047:LAYER 01:ROW 08	NO
06/07/2011 2:20 PM	1345861 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 043:LAYER 02:ROW 04	NO
09/21/2011 2:45 PM	1345862 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 051:LAYER 02:ROW 06	NO
11/10/2011 11:47 AM	1345863 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 043:LAYER 01:ROW 04	NO
01/24/2012 10:20 AM	1345864 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 047:LAYER 02:ROW 06	NO
03/18/2012 2:40 PM	1345865 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 031:LAYER 01:ROW 07	NO
03/22/2012 9:52 AM	1345866 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 031:LAYER 01:ROW 06	NO
04/24/2012 2:19 PM	1345867 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 049:LAYER 01:ROW 04	NO
05/16/2012 9:50 AM	1345868 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 051:LAYER 01:ROW 04	NO
06/19/2012 4:44 PM	1345869 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 049:LAYER 01:ROW 04	NO
07/19/2012 9:34 AM	1345870 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 039:LAYER 01:ROW 05	NO
08/01/2012 3:21 PM	1345871 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 045:LAYER 01:ROW 09	NO
08/02/2012 10:34 AM	1336161 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 033:LAYER 02:ROW 07	NO
08/28/2012 1:45 PM	1336162 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 056:LAYER 01:ROW 03	NO



CONTAINER PROFILE
S822556
T-TTRU-TEMP

WS ID: 37017
C ID: 752613
Opt ID: 010211
ACTIVE

TASK HISTORY

Date/ Time	Task ID/ Status	Task Name/ Storage or Disposal Grid Location	Reject
09/19/2012 11:11 AM	1336163 EXECUTED	LANL:54-G » 54-G:000048 DOME 48 STAGING	NO
09/27/2012 1:30 PM	1336164 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 060:LAYER 01:ROW 07	NO
10/09/2012 8:46 AM	1336165 EXECUTED	LANL:54-G » 54-G:RTR-2	NO
10/13/2012 9:05 AM	1336166 EXECUTED	LANL:54-G » 54-G:000048 DOME 48 STAGING	NO
10/25/2012 9:35 AM	1336167 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 040:LAYER 01:ROW 03	NO
11/13/2012 1:49 PM	1336168 EXECUTED	LANL:54-G » 54-G:000048 DOME 48 STAGING	NO
11/15/2012 10:21 AM	1336169 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 047:LAYER 01:ROW 05	NO
11/29/2012 2:57 PM	1336170 EXECUTED	LANL:54-G » 54-G:000048 DOME 48 STAGING	NO
11/30/2012 9:35 AM	1336171 EXECUTED	LANL:54-G » 54-G:RTR-2	NO
11/30/2012 2:31 PM	1336172 EXECUTED	LANL:54-G » 54-G:000048 DOME 48 STAGING	NO
11/30/2012 3:15 PM	1336173 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 046:LAYER 01:ROW 04	NO
01/31/2013 11:13 AM	1336174 EXECUTED	LANL:54-G » 54-G:HENC-1	NO
02/05/2013 8:56 AM	1336175 EXECUTED	LANL:54-G » 54-G:000232 STAGING	NO
02/07/2013 2:47 PM	1336176 EXECUTED	LANL:54-G » 54-G:000049 DOME 49 STAGING	NO
02/09/2013 3:38 PM	1336177 EXECUTED	LANL:54-G » 54-G:000049 COLUMN 085 - READY TO SHIP:LAYER 01:ROW 10	NO
03/15/2013 1:50 PM	1336178 EXECUTED	LANL:54-G » 54-G:000049 COLUMN 113 - READY TO SHIP:LAYER 01:ROW 02	NO
03/21/2013 2:45 PM	1336179 EXECUTED	LANL:54-G » 54-G:000049 COLUMN 101 - READY TO SHIP:LAYER 02:ROW 10	NO
03/28/2013 9:12 AM	1336180 EXECUTED	LANL:54-G » 54-G:000049 DOME 49 STAGING	NO
04/04/2013 8:49 AM	1336181 EXECUTED	LANL:54-G » 54-G-WEST:RECEIVING	NO
04/04/2013 2:18 PM	1336182 EXECUTED	LANL:54-G-WEST » 54-G-WEST:000038 STAGING AREA	NO
04/08/2013 12:08 PM	1336183 EXECUTED	LANL:54-G-WEST » 54-G-WEST:000038 STORAGE AREA	NO



CONTAINER PROFILE
S822556
T-TTRU-TEMP

WS ID: 37017
C ID: 752613
Opt ID: 010211
ACTIVE

TASK HISTORY

Date/Time	Task ID/Status	Task Name/Storage or Disposal Grid Location	Reject
04/09/2013 9:32 AM	1336184 EXECUTED	LANL:54-G-WEST » 54-G-WEST:000038 TRUPACT #1	NO
04/09/2013 2:54 PM	1336185 EXECUTED	LANL:54-G-WEST » 54-G-WEST:000038 TRUPACT SEALED	NO
04/10/2013 11:00 PM	1795754 EXECUTED	LANL:54-G-WEST » WIPP:OPER:RECV	NO

DOCUMENTATION

Doc. Number	Title	Uploaded By
1	S822556-TWSR	WCATS APPLICATION (000000)
2	ERID-236933-TWSR	WCATS APPLICATION (000000)

COMMENTS

Date Time/ User Name	Comment
08/23/2013 9:37 AM WCATS APPLICATION (000000)	NON COMBUSTIBLE METAL
08/23/2013 10:51 PM WCATS APPLICATION (000000)	[UNIT] FGA2; [DATE] 02/06/2013; [CONTAINER ID] S822556; [CERT / LFL] Certified; [PASS / FAIL] Pass; [COMMENT] -;
08/23/2013 10:51 PM WCATS APPLICATION (000000)	[UNIT] HENC 1; [DATE] 02/04/2013; [CONTAINER ID] S822556; [CERT / FAST] Certified; [PASS / FAIL] Pass; [COMMENT] None;
08/23/2013 10:51 PM WCATS APPLICATION (000000)	[UNIT] RANT; [DATE] 04/10/2013; [CONTAINER ID] S822556; [DRUM / SWB] Drum; [COMMENT] -;

EDIT LOG

Date Time/ User Name	Quality Record	Explanation
09/17/2013 11:29 AM EDWINA G SANCHEZ (095547)	NO	Edit Admin Form Authorization; Looking for [P=8052, A=class gov.lanl.wcats.view.profile.container.dialog.JCSTPEditor]; Found [P=8052, B=7, G=SITEADMIN]; Reason for Edit: Open Dialog
08/23/2013 9:44 PM WCATS APPLICATION (000000)	NO	TRUP.PKG_VENT TABLE (WASTEDB): [VENT_ID] = 9964, [FILTER_TYPE_CD] = CC, [INNER_OUTER] = O, [PKG_ID] = S822556, [REMOVED] = , [SERIAL_NO] = 00666, [SOURCE] = , [UPD_WHEN] = 2000-12-01 15:14:19, [UPD_WHO] = W154753, [VENT_CD] = VF, [VENT_DATE] = 2000-12-01 15:14:19
08/23/2013 9:44 PM WCATS APPLICATION (000000)	NO	TRUP.TW_PKG TABLE (WASTEDB): [PKG_ID] = S822556, [DIS_CD] = O, [DIS_DT] = , [DRUM_NO] = 010211, [DVS_BURN] = , [DVS_CONDITION] = , [DVS_DRUM_WT] = , [DVS_EXPECT_HI_H2] = , [DVS_H2] = , [DVS_LID_CONTAM] = , [DVS_OPERATOR] = , [DVS_PSA] = , [DVS_VENT_DATE] = , [DVS_VENT_STRIP] = , [RETRIEVE_COMMENTS] = , [RETRIEVE_CONDITION] = Rust 90%, [RETRIEVE_DT] = 2000-10-31 00:00:00, [RETRIEVER_ZNO] = 101830, [SURFACE_DOSE] = .2, [UPD_WHEN] = 2000-11-28 00:00:00, [UPD_WHO] = W116406
08/23/2013 9:44 PM WCATS APPLICATION (000000)	NO	TRUP.PKG_VENT TABLE (WASTEDB): [VENT_ID] = 41635, [FILTER_TYPE_CD] = , [INNER_OUTER] = , [PKG_ID] = S822556, [REMOVED] = , [SERIAL_NO] = DJ1035, [SOURCE] = , [UPD_WHEN] = 2010-01-28 11:28:43, [UPD_WHO] = 114644, [VENT_CD] = , [VENT_DATE] = 2009-06-29 00:00:00



CONTAINER PROFILE
S822556
T-TTRU-TEMP

WS ID: 37017
C ID: 752613
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ACTIVE

EDIT LOG

Date Time/ User Name	Quality Record	Explanation
08/23/2013 9:44 PM WCATS APPLICATION (000000)	NO	TRUP.TRUPKG TABLE (WASTEDB): [PKG_ID] = S822556, [ALPHA_CONT] = , [APPROVE_BY] = , [APPROVE_DATE] = , [BETA_GAMMA_CONT] = , [BLDG_CD] = 55-PF4, [BX_SERIAL] = , [CERT_STATUS] = , [COLOR_CD] = , [COMMENTS] = NON COMBUSTIBLE METAL, [CONTENT_CODE] = , [CONTROL] = , [DATE_CLOSED] = , [GAMMA_DOSE] = , [GROSS_WT] = 122.157, [GRP] = CMB11, [NEUTRON_DOSE] = , [NORMAL] = , [OLDDRUMNUM] = 010211, [OLDVOL_UNIT] = M, [OLDWT_UNIT] = K, [ORG_VOL] = , [ORG_WT] = , [PKG_CD] = 01, [PKG_CD_DESC] = STEEL DRUM (55 GAL), [PKG_DATE] = 1982-02-16 00:00:00, [PKG_FISS_GRAMS] = 2.23, [PKG_LOT] = , [PKG_PE_ACT] = .191, [PKG_TARE_WT] = 69, [PKG_VOLUME] = .208, [PROC_BTCH_CD] = , [PROG_CODE] = , [ROOM] = 432, [SAMPLE_ID] = , [THERMAL] = 0, [TOTAL_DOSE] = 5, [TOT_ANCG] = 0, [TRUCON_CD] = , [WASTE_CD] = 50, [WPRF_CD] = , [YR_MFG] = , [WASTE_TYPE] = S5400, [INSP_DATE] = , [AUA_VUA] = , [PROCESS_ID] = , [WGEN_CD] = , [DOT_TYPE] = , [BIR_ID] = LAT005, [RQ] = N, [LSA_SCO_CD] = , [LSA] = N, [A_START_DATE] = , [BIR_WS] = LA-M10, [LA_WS] = TA-55-21, [SWBOP] = , [RETRIEVABLE] = , [OFFSITE] = , [LINER_CD] = , [NET_WT] = 53.157, [SHIP_CD] = , [WASTE_STREAM] = LA-MHD01.001, [OVERPACK] = N, [REPACKED] = , [INVENTORY_NO] = , [INVENTORY_DT] = , [CHCD_CC_CD] = , [CHCD_CA_CD] = , [CHCD_WP_CD] = , [DOT_DP] = , [WASTE_VERIF] = , [VERIF_COMPLETE] = , [HDL_CD] = , [UPD_WHEN] = 2004-06-30 11:56:09, [UPD_WHO] = 114644, [PHY_STATE] = S, [PKG_H3_ACT] = 0, [QTW] = N, [AK_REPORT] = CCP-AK-LANL-006, [STP] = 0
08/23/2013 12:33 PM WCATS APPLICATION (000000)	NO	TRUP.UPD_HISTORY TABLE: [UPD_ID]= 28644, [AUTH_BY]= 113199 -> CHRISTENSEN DAVIS V , [AUTH_NUM]= SR318, [PKG_ID]= S822556, [UPD_WHEN]= 03-27-1996, [UPD_WHO]= Z111142 -> LONGLEY JOHN M , [WHAT]= tgrams, tcuries, fiss_grams, thermal, pkg_pe_act, pkg_fiss_grams, [WHY]= Correct errors
08/23/2013 8:45 AM WCATS APPLICATION (000000)	NO	INITWORKPATH (C_ID=752613/PATH_ID=465): SKIPPED (NO WORKPATH UNITS)



CONTAINER PROFILE
91807
T-TTRU-TEMP

WS ID: 13944
C ID: 790528
ACTIVE

GENERAL INFORMATION

Container ID:	790528	
Labeled ID:	91807	
Optional ID:		Status: ACTIVE
Chemical Barcode:		Decommissioned: NO
Physical State:	SOLID	Container Type: DM: Metal drums, barrels, kegs
Waste Stream ID:	13944	Container Subtype: 55-gallon steel drum
Work Path:	T-TTRU-TEMP	Origin Date: 20-Sep-1988 12:00 am
Quantity (Univ):		Accum Start Date: 20-Sep-1988
Compactible:		Closed Date: 27-Jul-2012

Discard Matrix:

TID(s):

Gen Contact: JEFFREY S COLEMAN (225849)

Insert By: WCATS APPLICATION (000000)

Waste Desc: GENERIC WPF FOR TRU WASTE PROCESSED UNDER THE TRANSURANIC WASTE CERTIFICATION PROGRAM (TWCP). THIS WPF WILL COVER A ...

WEIGHTS AND VOLUMES

Container Volume:	0.21 CM	Gross Weight:	173.40 lb
Waste Volume:	NOT SPECIFIED	Tare Weight:	69.00 lb
		Net Weight:	104.40 lb

LOCATION

Pickup (Origin): LANL: 50: 000069

Current: WIPP: OPER: RECV



**CONTAINER PROFILE
91807
T-TTRU-TEMP**

**WS ID: 13944
C ID: 790528
ACTIVE**

RADIOLOGICAL SURVEY

Survey Type	Instrument Number	Survey Date	At Contact mrem/hr	At 30 cm mrem/hr	At 1 M mrem/hr	Alpha dpm/100cm2	Beta/Gama dpm/100 cm2
<i>Survey ID: 91399, Status: Active</i>							
B/G Survey			= 6.00	=	=	Not Applicable	
Neutron Survey			= 3.50	=	=	Not Applicable	
Smear Results			Not Applicable			= 0.00	= 0.00



CONTAINER PROFILE
91807
T-TTRU-TEMP

WS ID: 13944
C ID: 790528
ACTIVE

RADIONUCLIDES

Nuclide	Amount	Unit	Uncert	MT Derived (Y/N)	Activated (Y/N)	MDA Result (Y/N)	Normal Form (Y/N)	Measurement Code/Comment
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Status: Inactive, Assay Page: 374660, Date: 09/20/1988, Derivation: Generator Entered Results (e.g., Offsite Assay)

Am-241	1.11E-002	g	1.92E-003	N			Y	
Cs-137	1.32E-007	g	2.28E-008	N			Y	
Pu-238	2.08E+000	g	3.60E-001	N			Y	
Pu-239	4.85E-001	g	8.39E-002	N			Y	
Pu-240	6.60E-002	g	1.14E-002	N			Y	
Pu-241	1.45E-003	g	2.51E-004	N			Y	
Pu-242	3.96E-003	g	6.84E-004	N			Y	
Sr-90	8.42E-008	g	1.46E-008	N			Y	
U-234	8.73E-001	g	1.51E-001	N			Y	
U-235	5.28E-004	g	9.12E-005	N			Y	

Status: Active, Assay Page: 399293, Date: 08/08/2012, Derivation: Non-Destructive Assay (NDA)

Am-241	7.61E-002	Ci	1.77E-002	N			Y	
Np-237	5.06E-006	Ci	6.21E-007	N			Y	
Pu-238	8.07E+001	Ci	1.39E+001	N			Y	
Pu-239	7.22E-002	Ci	1.24E-002	N			Y	
Pu-240	3.58E-002	Ci	6.15E-003	N			Y	
Pu-241	2.58E-001	Ci	4.43E-002	N			Y	
Pu-242	3.71E-005	Ci	6.37E-006	N			Y	
U-232	1.27E-005	Ci	1.39E-006	N			Y	
U-234	1.26E-002	Ci	2.16E-003	N			Y	
U-235	0.00E+000	Ci	0.00E+000	N			Y	



**CONTAINER PROFILE
91807
T-TTRU-TEMP**

**WS ID: 13944
C ID: 790528
ACTIVE**

RAD CALCULATIONS

Total Activity (nCi/g):	1.71375E+06	DOT Fissile Mat (g):	1.16563E+00
Alpha (nCi/g):	1.70830E+06	Transport Index:	
TRU Alpha (nCi/g):	1.70804E+06	NRC Class:	GTCC
Pu-239 FGE [2U]:	2.14461E+00	DOT Type:	B
Pu-239 Eq-Ci:	7.29822E+01	LSA-I Fraction:	2.10668E+06 N
Pu-239 Eq-Ci [2U]:	9.80567E+01	LSA-II Fraction:	6.32024E+02 N
TRU Pu-239 Eq-Ci:	7.29789E+01	LSA-III Fraction:	3.16012E+01 N
TRU Pu-239 Eq-Ci [2U]:	9.80535E+01	Reportable Quantity:	8.08880E+03 Y
Decay Heat [U] (W):	3.16950E+00	* ALC Ratio:	3.00606E+08 NE
Tritium (Ci/m3):	0.00000E+00	* ACM Ratio:	6.32004E+07 NE
TRU ECW PE-Ci:	7.29789E+01	Limited Quantity:	2.99295E+06 N

Weight/Volume Used:

1 Container Net Weight: 4.73550E+01 kg
2 Container Volume: 2.08000E-01 m3

*ALC (Activity Limit for Exempt Consignment)
*ACM (Activity Concentration for Exempt Material)
U = 1 Uncertainty, 2U = 2 Uncertainty

DOT SHIPPING DESC

Status/ Manifest IDs	DOT Shipping Description
ACTIVE 89544	UN2915, RADIOACTIVE MATERIAL, TYPE A PACKAGE, 7, Solid, ELEMENTAL, AM241, CS137, PU238, PU239, PU240, PU241, PU242, SR90, U234, U235, 1.341E+00 TBq, T.I.=1.1, RADIOACTIVE YELLOW III, FISSILE EXCEPTED

TASK HISTORY

Date/ Time	Task ID/ Status	Task Name/ Storage or Disposal Grid Location	Reject
07/27/2012 3:48 PM	1801086 EXECUTED	LANL:50-REPACK-TRU	NO
07/27/2012 3:48 PM	1094721 EXECUTED	LANL:50 » 50:000069	NO
08/01/2012 10:07 AM	1104479 EXECUTED	LANL:50 » 54-G:000232 (MANIF ID: 89544) STAGING	NO
08/02/2012 1:30 PM	1104480 EXECUTED	LANL:54-G » 54-G:RTR-2	NO
08/07/2012 2:32 PM	1104481 EXECUTED	LANL:54-G » 54-G:HENC-1	NO
08/13/2012 2:28 PM	1104482 EXECUTED	LANL:54-G » 54-G:000232 STAGING	NO
08/17/2012 9:57 AM	1104484 EXECUTED	LANL:54-G » 54-G:000049 DOME 49 STAGING	NO



CONTAINER PROFILE
91807
T-TTRU-TEMP

WS ID: 13944
C ID: 790528
ACTIVE

TASK HISTORY

Date/Time	Task ID/Status	Task Name/Storage or Disposal Grid Location	Reject
08/21/2012 11:28 AM	1104486 EXECUTED	LANL:54-G » 54-G:000049 COLUMN 125 - READY TO SHIP:LAYER 01:ROW 03	NO
08/29/2012 3:30 PM	1104488 EXECUTED	LANL:54-G » 54-G:000545	NO
10/22/2012 2:42 PM	1104490 EXECUTED	LANL:54-G » 54-G:000049 DOME 49 STAGING	NO
10/23/2012 10:08 AM	1104492 EXECUTED	LANL:54-G » 54-G-WEST:RECEIVING	NO
10/23/2012 11:50 AM	1104493 EXECUTED	LANL:54-G-WEST » 54-G-WEST:000038 STORAGE AREA	NO
10/24/2012 8:30 AM	1104495 EXECUTED	LANL:54-G-WEST » 54-G-WEST:000038 TRUPACT #2	NO
10/24/2012 10:23 AM	1104496 EXECUTED	LANL:54-G-WEST » 54-G-WEST:000038 TRUPACT SEALED	NO
10/24/2012 11:00 PM	1794705 EXECUTED	LANL:54-G-WEST » WIPP:OPER:RECV	NO

Click to download the data from the container profile for the container ID.

DOCUMENTATION

Doc. Number	Title	Uploaded By
1	ERID-234691-TWSR	WCATS APPLICATION (000000)

COMMENTS

Date Time/ User Name	Comment
08/23/2013 9:37 AM WCATS APPLICATION (000000)	PARENT #S893128
08/23/2013 10:52 PM WCATS APPLICATION (000000)	[UNIT] FGA1; [DATE] 08/16/2012; [CONTAINER ID] 91807; [CERT / LFL] -; [PASS / FAIL] -; [COMMENT] -;
08/23/2013 10:55 PM WCATS APPLICATION (000000)	[UNIT] RTR 2; [DATE] 08/04/2012; [CONTAINER ID] 91807; [CERT / FAST] Certified; [PASS / FAIL] Pass; [COMMENT] N/A; [BDR#] LA-RTR2-12-0091; [NCR#] N/A;
08/23/2013 10:53 PM WCATS APPLICATION (000000)	[UNIT] HENC 1; [DATE] 08/08/2012; [CONTAINER ID] 91807; [CERT / FAST] Certified; [PASS / FAIL] Pass; [COMMENT] Precision;
08/23/2013 10:55 PM WCATS APPLICATION (000000)	[UNIT] RANT; [DATE] 10/24/2012; [CONTAINER ID] 91807; [DRUM / SWB] Drum; [COMMENT] -;

EDIT LOG

Date Time/ User Name	Quality Record	Explanation
08/23/2013 9:44 PM WCATS APPLICATION (000000)	NO	TRUP.PKG_DOT TABLE (WASTEDB): [PKG_ID] = 91807, [CHEM_STATE] = ELEMENTAL, [DOT_DESC_CD] = FISSILE EXCEPTED, [DOTHAZ_CD] = 7, [DOTSHIP] = RADIOACTIVE MATERIAL, TYPE A PACKAGE, [DOTUNNA_CD] = UN2915, [ERGNO] = 163, [FISSILE_CLASS] = , [HAZ_SUB] = , [HMTF_NO] = , [LABEL_CAT] = RADIOACTIVE YELLOW III, [LABEL_SEC] = , [OTHERCONID] = , [PLAC_REQ] = , [TRANS_INDEX] = 1.1, [UPD_WHEN] = , [UPD_WHO] = 217156



CONTAINER PROFILE
91807
T-TTRU-TEMP

WS ID: 13944
C ID: 790528
ACTIVE

EDIT LOG

Date Time/ User Name	Quality Record	Explanation
08/23/2013 9:44 PM WCATS APPLICATION (000000)	NO	TRUP.TRUPKG TABLE (WASTEDB): [PKG_ID] = 91807, [ALPHA_CONT] = 0, [APPROVE_BY] = , [APPROVE_DATE] = , [BETA_GAMMA_CONT] = 0, [BLDG_CD] = 50-00069, [BX_SERIAL] = , [CERT_STATUS] = , [COLOR_CD] = , [COMMENTS] = PARENT #S893128, [CONTENT_CODE] = , [CONTROL] = , [DATE_CLOSED] = 2012-07-27 00:00:00, [GAMMA_DOSE] = 6, [GROSS_WT] = 173.4, [GRP] = WDPTWPS, [NEUTRON_DOSE] = 3.5, [NORMAL] = N, [OLDDRUMNUM] = , [OLDVOL_UNIT] = , [OLDWT_UNIT] = , [ORG_VOL] = , [ORG_WT] = , [PKG_CD] = 01, [PKG_CD_DESC] = STEEL DRUM (55 GAL), [PKG_DATE] = 2012-08-01 00:00:00, [PKG_FISS_GRAMS] = 1.68, [PKG_LOT] = , [PKG_PE_ACT] = 73.6, [PKG_TARE_WT] = 69, [PKG_VOLUME] = .208, [PROC_BTCH_CD] = , [PROG_CODE] = M348, [ROOM] = , [SAMPLE_ID] = , [THERMAL] = 1.19572806930275582559241302338838585151, [TOTAL_DOSE] = 9.5, [TOT_ANCG] = 762408.127287648420854528611683475180767, [TRUCON_CD] = LA125M, [WASTE_CD] = , [WPRF_CD] = 32358, [YR_MFG] = , [WASTE_TYPE] = S5400, [INSP_DATE] = , [AUA_VUA] = , [PROCESS_ID] = , [WGEN_CD] = 225849, [DOT_TYPE] = , [BIR_ID] = , [RQ] = , [LSA_SCO_CD] = , [LSA] = , [A_START_DATE] = 1988-09-20 00:00:00, [BIR_WS] = , [LA_WS] = , [SWBOP] = , [RETRIEVABLE] = , [OFFSITE] = , [LINER_CD] = 04, [NET_WT] = 104.4, [SHIP_CD] = 3003400020, [WASTE_STREAM] = LA-MHD09.001, [OVERPACK] = N, [REPACKED] = , [INVENTORY_NO] = , [INVENTORY_DT] = , [CHCD_CC_CD] = 6F030A, [CHCD_CA_CD] = 0A12, [CHCD_WP_CD] = EP00, [DOT_DP] = Y, [WASTE_VERIF] = , [VERIF_COMPLETE] = , [HDL_CD] = , [UPD_WHEN] = 2012-07-27 15:48:58, [UPD_WHO] = 241661, [PHY_STATE] = S, [PKG_H3_ACT] = 0, [QTW] = , [AK_REPORT] = CCP-AK-LANL-004, [STP] = 0
08/23/2013 9:44 PM WCATS APPLICATION (000000)	NO	TRUP.PKG_VENT TABLE (WASTEDB): [VENT_ID] = 54257, [FILTER_TYPE_CD] = , [INNER_OUTER] = , [PKG_ID] = 91807, [REMOVED] = , [SERIAL_NO] = BM-375, [SOURCE] = , [UPD_WHEN] = 2012-07-27 16:34:07, [UPD_WHO] = 225849, [VENT_CD] = , [VENT_DATE] = 2012-07-27 00:00:00
08/23/2013 8:50 AM WCATS APPLICATION (000000)	NO	INITWORKPATH (C_ID=790528/PATH_ID=465): SKIPPED (NO WORKPATH UNITS)



CONTAINER PROFILE
66145
T-TRU-TEMP

WS ID: 23295
C ID: 787173
ACTIVE

GENERAL INFORMATION

Container ID:	787173	
Labeled ID:	66145	
Optional ID:		Status: ACTIVE
Chemical Barcode:		Decommissioned: NO
Physical State:	SOLID	Container Type: CM: Metal boxes, cartons, cases (including roll-
Waste Stream ID:	23295	Container Subtype: Standard waste box
Work Path:	T-TRU-TEMP	Origin Date: 13-Sep-2011 12:00 am
Quantity (Univ):		Accum Start Date: 13-Sep-2011
Compatible:		Closed Date: 13-Sep-2011

Discard Matrix:

TID(s):

Gen Contact: MICHAEL L POPE (195161)

Insert By: WCATS APPLICATION (000000)

Waste Desc: VESSEL/TANK FROM EXCAVATION AT TA-21, MDA-B, ENCLOSURE 3

WEIGHTS AND VOLUMES

Container Volume:	1.90 CM	Gross Weight:	1260.00 lb
Waste Volume:	NOT SPECIFIED	Tare Weight:	635.00 lb
		Net Weight:	620.00 lb

LOCATION

Pickup (Origin): LANL: 21: GEN-AREAS

Current: WIPP: OPER: RECV



CONTAINER PROFILE
66145
T-TRU-TEMP

WS ID: 23295
C ID: 787173
ACTIVE

RADIONUCLIDES

Nuclide	Amount	Unit	Uncert	MT Derived (Y/N)	Activated (Y/N)	MDA Result (Y/N)	Normal Form (Y/N)	Measurement Code/Comment
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Status: Inactive, Assay Page: 376360, Date: 09/13/2011, Derivation: Generator Entered Results (e.g., Offsite Assay)

Am-241	8.05E-002	Ci	1.99E-002	N			Y	
Cs-137	1.40E-004	Ci	0.00E+000	N			Y	
Mn-56	5.17E-008	Ci	1.23E-008	N			Y	
Np-237	4.73E-006	Ci	7.87E-007	N			Y	
Pu-238	5.51E-002	Ci	0.00E+000	N			Y	
Pu-239	1.88E+000	Ci	2.93E-001	N			Y	
Pu-240	4.40E-001	Ci	6.85E-002	N			Y	
Pu-241	6.63E+000	Ci	0.00E+000	N			Y	

Status: Active, Assay Page: 389233, Date: 10/22/2012, Derivation: Non-Destructive Assay (NDA)

Am-241	5.61E-002	Ci	1.72E-002	N			Y	
Np-237	4.44E-006	Ci	5.86E-007	N			Y	
Pu-238	4.37E-002	Ci	1.34E-002	N			Y	
Pu-239	2.20E+000	Ci	6.72E-001	N			Y	
Pu-240	3.72E-001	Ci	1.14E-001	N			Y	
Pu-241	7.61E-002	Ci	2.33E-002	N			Y	
Pu-242	9.29E-006	Ci	2.84E-006	N			Y	
U-235	0.00E+000	Ci	0.00E+000	N			Y	



CONTAINER PROFILE
66145
T-TRU-TEMP

WS ID: 23295
C ID: 787173
ACTIVE

RAD CALCULATIONS

Total Activity (nCi/g):	9.77115E+03	DOT Fissile Mat (g):	3.54425E+01
Alpha (nCi/g):	9.50056E+03	Transport Index:	
TRU Alpha (nCi/g):	9.50055E+03	NRC Class:	GTCC
Pu-239 FGE [2U]:	5.71327E+01	DOT Type:	B
Pu-239 Eq-Ci:	2.67012E+00	LSA-I Fraction:	1.17207E+04 N
Pu-239 Eq-Ci [2U]:	4.03399E+00	LSA-II Fraction:	3.51687E+00 N
TRU Pu-239 Eq-Ci:	2.67012E+00	LSA-III Fraction:	1.75843E-01 Y
TRU Pu-239 Eq-Ci [2U]:	4.03399E+00	Reportable Quantity:	2.67257E+02 Y
Decay Heat [U] (W):	1.05628E-01	* ALC Ratio:	2.23016E+07 NE
Tritium (Ci/m3):	0.00000E+00	* ACM Ratio:	3.51620E+05 NE
TRU ECW PE-Ci:	2.67012E+00	Limited Quantity:	9.89040E+04 N

Weight/Volume Used:

1 Container Net Weight: 2.81227E+02 kg
 2 Container Volume: 1.90000E+00 m3

*ALC (Activity Limit for Exempt Consignment)
 *ACM (Activity Concentration for Exempt Material)
 U = 1 Uncertainty, 2U = 2 Uncertainty

DOT SHIPPING DESC

Status/ Manifest IDs	DOT Shipping Description
ACTIVE 92951	UN3327, RADIOACTIVE MATERIAL, TYPE A PACKAGE, FISSILE, 7, Solid, ELEMENTAL, AM241, CS137, MN56, NP237, PU238, PU239, PU240, PU241, 3.362E-01 TBq, T.I.=0.4, RADIOACTIVE YELLOW II

TASK HISTORY

Date/ Time	Task ID/ Status	Task Name/ Storage or Disposal Grid Location	Reject
09/14/2011 12:00 AM	1815920 EXECUTED	LANL:21 - CONPREP	NO
09/15/2011 8:02 AM	961862 EXECUTED	LANL:21 » 54-G:000232 (MANIF ID: 92951) STAGING	NO
12/21/2011 2:14 PM	964006 EXECUTED	LANL:54-G » 54-G:000232 COLUMN 005:LAYER 01:ROW 03	NO
01/05/2012 2:16 PM	964007 EXECUTED	LANL:54-G » 54-G:000232 COLUMN 003:LAYER 01:ROW 04	NO
01/29/2012 2:00 PM	964008 EXECUTED	LANL:54-G » 54-G:000232 COLUMN 007:LAYER 01:ROW 03	NO
04/11/2012 3:00 PM	964009 EXECUTED	LANL:54-G » 54-G:000232 STAGING	NO
04/28/2012 10:16 AM	964010 EXECUTED	LANL:54-G » 54-G:000232 COLUMN 035:LAYER 03:ROW 03	NO
05/02/2012 4:41 PM	964011 EXECUTED	LANL:54-G » 54-G:000232 COLUMN 033:LAYER 02:ROW 02	NO



CONTAINER PROFILE
66145
T-TRU-TEMP

WS ID: 23295
C ID: 787173
ACTIVE

TASK HISTORY

Date/Time	Task ID/Status	Task Name/Storage or Disposal Grid Location	Reject
06/20/2012 3:51 PM	964012 EXECUTED	LANL:54-G » 54-G:000232 COLUMN 003:LAYER 03:ROW 03	NO
07/06/2012 3:12 PM	964013 EXECUTED	LANL:54-G » 54-G:000232 COLUMN 003:LAYER 02:ROW 01	NO
10/10/2012 9:26 AM	964014 EXECUTED	LANL:54-G » 54-G:RTR-HE	NO
10/10/2012 9:26 AM	964015 EXECUTED	LANL:54-G » 54-G:000232 STAGING	NO
10/12/2012 12:16 PM	964016 EXECUTED	LANL:54-G » 54-G:RTR-HE	NO
10/12/2012 2:14 PM	964017 EXECUTED	LANL:54-G » 54-G:HENC-S	NO
10/31/2012 10:28 AM	964018 EXECUTED	LANL:54-G » 54-G:000232 STAGING	NO
10/31/2012 11:02 AM	964576 EXECUTED	LANL:54-G » 54-G:000232 COLUMN 060:LAYER 01:ROW 03	NO
11/08/2012 2:03 PM	964577 EXECUTED	LANL:54-G » 54-G:000049 DOME 49 STAGING	NO
12/03/2012 9:19 AM	964578 EXECUTED	LANL:54-G » 54-G-WEST:RECEIVING	NO
12/04/2012 8:14 AM	964579 EXECUTED	LANL:54-G-WEST » 54-G-WEST:000038 STORAGE AREA	NO
12/05/2012 2:11 PM	964580 EXECUTED	LANL:54-G-WEST » 54-G-WEST:000038 TRUPACT #1	NO
12/05/2012 2:13 PM	964581 EXECUTED	LANL:54-G-WEST » 54-G-WEST:000038 TRUPACT #2	NO
12/06/2012 8:26 AM	964582 EXECUTED	LANL:54-G-WEST » 54-G-WEST:000038 TRUPACT SEALED	NO
12/06/2012 11:00 PM	1795677 EXECUTED	LANL:54-G-WEST » WIPP:OPER:RCV	NO

The information on this container was pulled in accordance with the instructions.

COMMENTS

Date Time/ User Name	Comment
08/23/2013 10:55 PM WCATS APPLICATION (000000)	[UNIT] S HENC; [DATE] 10/22/2012; [CONTAINER ID] 66145; [CERT / FAST] Certified; [PASS / FAIL] Pass; [COMMENT] -;
08/23/2013 10:55 PM WCATS APPLICATION (000000)	[UNIT] RANT; [DATE] 12/06/2012; [CONTAINER ID] 66145; [DRUM / SWB] SWB; [COMMENT] -;

EDIT LOG

Date Time/ User Name	Quality Record	Explanation
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CONTAINER PROFILE
66145
T-TRU-TEMP

WS ID: 23295
C ID: 787173
ACTIVE

EDIT LOG

Date Time/ User Name	Quality Record	Explanation
08/23/2013 9:44 PM WCATS APPLICATION (000000)	NO	TRUP.PKG_DOT TABLE (WASTEDB): [PKG_ID] = 66145, [CHEM_STATE] = ELEMENTAL, [DOT_DESC_CD] = , [DOTHAZ_CD] = 7, [DOTSHIP] = RADIOACTIVE MATERIAL, TYPE A PACKAGE, FISSILE, [DOTUNNA_CD] = UN3327, [ERGNO] = 165, [FISSILE_CLASS] = , [HAZ_SUB] = , [HMTF_NO] = , [LABEL_CAT] = RADIOACTIVE YELLOW II, [LABEL_SEC] = , [OTHERCONID] = , [PLAC_REQ] = , [TRANS_INDEX] = 0.4, [UPD_WHEN] = , [UPD_WHO] = 102337
08/23/2013 9:44 PM WCATS APPLICATION (000000)	NO	TRUP.PKG_VENT TABLE (WASTEDB): [VENT_ID] = 50583, [FILTER_TYPE_CD] = CC, [INNER_OUTER] = , [PKG_ID] = 66145, [REMOVED] = , [SERIAL_NO] = JK-346, [SOURCE] = , [UPD_WHEN] = 2011-09-14 14:06:16, [UPD_WHO] = 114644, [VENT_CD] = , [VENT_DATE] =
08/23/2013 9:44 PM WCATS APPLICATION (000000)	NO	TRUP.PKG_VENT TABLE (WASTEDB): [VENT_ID] = 50582, [FILTER_TYPE_CD] = CC, [INNER_OUTER] = , [PKG_ID] = 66145, [REMOVED] = , [SERIAL_NO] = LK-46, [SOURCE] = , [UPD_WHEN] = 2011-09-14 14:06:16, [UPD_WHO] = 114644, [VENT_CD] = , [VENT_DATE] =
08/23/2013 9:44 PM WCATS APPLICATION (000000)	NO	TRUP.TRUPKG TABLE (WASTEDB): [PKG_ID] = 66145, [ALPHA_CONT] = 3.1, [APPROVE_BY] = 120424, [APPROVE_DATE] = 2011-09-14 00:00:00, [BETA_GAMMA_CONT] = 11, [BLDG_CD] = 21-00000, [BX_SERIAL] = , [CERT_STATUS] = , [COLOR_CD] = , [COMMENTS] = , [CONTENT_CODE] = , [CONTROL] = , [DATE_CLOSED] = 2011-09-13 00:00:00, [GAMMA_DOSE] = .1, [GROSS_WT] = 1260, [GRP] = WESFFS, [NEUTRON_DOSE] = .25, [NORMAL] = , [OLDDRUMNUM] = , [OLDVOL_UNIT] = , [OLDWT_UNIT] = , [ORG_VOL] = , [ORG_WT] = , [PKG_CD] = 02, [PKG_CD_DESC] = STANDARD WASTE BOX, [PKG_DATE] = 2011-09-15 00:00:00, [PKG_FISS_GRAMS] = 35, [PKG_LOT] = UN, [PKG_PE_ACT] = 2.67, [PKG_TARE_WT] = 635, [PKG_VOLUME] = 1.9, [PROC_BTCH_CD] = , [PROG_CODE] = ARDB, [ROOM] = , [SAMPLE_ID] = , [THERMAL] = .076707741784979890726500964448134261882, [TOTAL_DOSE] = .35, [TOT_ANCG] = 8732.16601556726362880102032172640094159, [TRUCON_CD] = LA225D, [WASTE_CD] = , [WPRF_CD] = 50820, [YR_MFG] = 2011, [WASTE_TYPE] = S5400, [INSP_DATE] = 2011-09-14 00:00:00, [AUA_VUA] = , [PROCESS_ID] = , [WGEN_CD] = 195161, [DOT_TYPE] = , [BIR_ID] = , [RQ] = Y, [LSA_SCO_CD] = , [LSA] = N, [A_START_DATE] = , [BIR_WS] = , [LA_WS] = TA-21-01, [SWBOP] = , [RETRIEVABLE] = , [OFFSITE] = , [LINER_CD] = 01, [NET_WT] = 620, [SHIP_CD] = 3003400034, [WASTE_STREAM] = LA-MHD04.001, [OVERPACK] = N, [REPACKED] = , [INVENTORY_NO] = , [INVENTORY_DT] = , [CHCD_CC_CD] = 6E000A, [CHCD_CA_CD] = 032R, [CHCD_WP_CD] = LK00, [DOT_DP] = Y, [WASTE_VERIFY] = , [VERIFY_COMPLETE] = , [HDL_CD] = , [UPD_WHEN] = 2011-09-14 14:06:16, [UPD_WHO] = 095547, [PHY_STATE] = S, [PKG_H3_ACT] = 0, [QTW] = , [AK_REPORT] = CCP-AK-LANL-010, [STP] = 0
08/23/2013 12:32 PM WCATS APPLICATION (000000)	NO	TRUP.UPD_HISTORY TABLE: [UPD_ID] = 39468, [AUTH_BY] = 095547 -> SANCHEZ EDWINA G , [AUTH_NUM] = , [PKG_ID] = 66145, [UPD_WHEN] = 10-11-2012, [UPD_WHO] = 095547 -> SANCHEZ EDWINA G , [WHAT] = ADD NEW CONTAINER LOCATION, [WHY] = MOVE TO HE-RTR WAS NOT DONE DUE TO SCANNER ERROR. MOVE WAS TO STAGING.
08/23/2013 12:25 PM WCATS APPLICATION (000000)	NO	TRUP.TRUPKG: [LINER_CD] = 01 -> NONE
08/23/2013 8:49 AM WCATS APPLICATION (000000)	NO	INITWORKPATH (C_ID=787173/PATH_ID=466): SKIPPED (NO WORKPATH UNITS)



CONTAINER PROFILE
S800594
T-TTRU-TEMP

WS ID: 37017
C ID: 756499
Opt ID: 005777
ACTIVE

GENERAL INFORMATION

Container ID: 756499
Labeled ID: S800594
Optional ID: 005777
Chemical Barcode:
Physical State: SOLID
Waste Stream ID: 37017
Work Path: T-TTRU-TEMP
Quantity (Univ):
Compactible:



Status: ACTIVE
Decommissioned: NO
Container Type: DM: Metal drums, barrels, kegs
Container Subtype: 55-gallon steel drum
Origin Date: 02-Apr-1980 12:00 am
Accum Start Date: 02-Apr-1980
Closed Date:

Discard Matrix:

TID(s):
Gen Contact:
Insert By: WCATS APPLICATION (000000)
Waste Desc: GENERATED AT 50-00001

WEIGHTS AND VOLUMES

Container Volume: 0.21 CM **Gross Weight:** 450.04 lb
Waste Volume: NOT SPECIFIED **Tare Weight:** 60.00 lb
Net Weight: 390.04 lb

LOCATION

Pickup (Origin): LANL: 50: 000001: 116B
Current: LANL: 54-G: 000049: C118R: L01: R02



CONTAINER PROFILE
S800594
T-TTRU-TEMP

WS ID: 37017
C ID: 756499
Opt ID: 005777
ACTIVE

RADIONUCLIDES

Nuclide	Amount	Unit	Uncert	MT Derived (Y/N)	Activated (Y/N)	MDA Result (Y/N)	Normal Form (Y/N)	Measurement Code/Comment
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Status: Inactive, Assay Page: 363123, Date: 04/02/1980, Derivation: Generator Entered Results (e.g., Offsite Assay)

Am-241	4.44E-002	Ci	0.00E+000	N			Y	
Pu-238	3.65E-003	Ci	0.00E+000	N			Y	
Pu-239	2.54E-002	Ci	0.00E+000	N			Y	

Status: Active, Assay Page: 392216, Date: 06/24/2013, Derivation: Non-Destructive Assay (NDA)

Am-241	5.61E-002	Ci	1.40E-002	N			Y	
Cs-137	8.02E-006	Ci	1.74E-006	N			Y	
Np-237	0.00E+000	Ci	0.00E+000	N			Y	
Pu-239	1.01E-002	Ci	2.40E-003	N			Y	
Pu-241	0.00E+000	Ci	0.00E+000	N			Y	
Sr-90	8.02E-006	Ci	1.74E-006	N			Y	
U-235	0.00E+000	Ci	0.00E+000	N			Y	

RAD CALCULATIONS

Total Activity (nCi/g):	3.74272E+02	DOT Fissile Mat (g):	1.62710E-01
Alpha (nCi/g):	3.74182E+02	Transport Index:	
TRU Alpha (nCi/g):	3.74182E+02	NRC Class:	GTCC
Pu-239 FGE [2U]:	2.40343E-01	DOT Type:	B
Pu-239 Eq-Ci:	6.73000E-02	LSA-I Fraction:	4.61497E+02 N
Pu-239 Eq-Ci [2U]:	9.62497E-02	LSA-II Fraction:	1.38447E-01 Y
TRU Pu-239 Eq-Ci:	6.73000E-02	LSA-III Fraction:	6.92237E-03 Y
TRU Pu-239 Eq-Ci [2U]:	9.62497E-02	Reportable Quantity:	6.62009E+00 Y
Decay Heat [U] (W):	2.69124E-03	* ALC Ratio:	2.44999E+05 NE
Tritium (Ci/m3):	0.00000E+00	* ACM Ratio:	1.38449E+04 NE
TRU ECW PE-Ci:	3.63420E-04	Limited Quantity:	2.44940E+03 N

Weight/Volume Used:

1 Container Net Weight: 1.76919E+02 kg
 2 Container Volume: 2.08000E-01 m3

*ALC (Activity Limit for Exempt Consignment)
 *ACM (Activity Concentration for Exempt Material)
 U = 1 Uncertainty, 2U = 2 Uncertainty



CONTAINER PROFILE
S800594
T-TTRU-TEMP

WS ID: 37017
C ID: 756499
Opt ID: 005777
ACTIVE

TASK HISTORY

Date/ Time	Task ID/ Status	Task Name/ Storage or Disposal Grid Location	Reject
04/03/1980 12:00 AM	1147732 EXECUTED	LANL:50 » 54-G:PAD01 POST 11:POST 12:LAYER 03:POSITION EAST	NO
06/17/1998 12:00 AM	1160682 EXECUTED	LANL:54-G » 54-G:000229	NO
10/14/1998 12:00 AM	1160683 EXECUTED	LANL:54-G » 54-G:000229 COLUMN 030:LAYER 02:ROW 01	NO
09/29/1999 10:05 AM	1160684 EXECUTED	LANL:54-G » 54-G:000229 COLUMN 019:LAYER 02:ROW 15	NO
03/25/2004 12:00 AM	1160685 EXECUTED	LANL:54-G » 54-G:000229 COLUMN 005:NOT SPECIFIED:NOT SPECIFIED	NO
05/28/2004 12:00 AM	1161286 EXECUTED	LANL:54-G » 54-G:000232 STAGING	NO
06/15/2004 12:00 AM	1161287 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 221:NOT SPECIFIED:NOT SPECIFIED	NO
08/23/2004 8:43 AM	1161288 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 221:NOT SPECIFIED:NOT SPECIFIED	NO
04/30/2005 2:42 PM	1161289 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 221:LAYER 01:ROW 01	NO
06/26/2005 1:04 PM	1161290 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 221:NOT SPECIFIED:NOT SPECIFIED	NO
10/11/2005 11:35 AM	1161291 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 118:LAYER 01:ROW 01	NO
10/30/2005 3:59 PM	1161292 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 122:NOT SPECIFIED:NOT SPECIFIED	NO
11/02/2005 10:08 AM	1161293 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 121:NOT SPECIFIED:NOT SPECIFIED	NO
11/08/2005 4:04 PM	1161294 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 224:NOT SPECIFIED:NOT SPECIFIED	NO
07/01/2006 11:58 AM	1161295 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 065:LAYER 01:ROW 07	NO
10/02/2006 1:51 PM	1161296 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 085:LAYER 01:ROW 07	NO
10/24/2006 9:33 AM	1161297 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 097:LAYER 01:ROW 05	NO
10/25/2006 9:22 AM	1161298 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 085:LAYER 01:ROW 03	NO
11/29/2006 2:31 PM	1161299 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 081:LAYER 01:ROW 01	NO
12/21/2006 2:04 PM	1161300 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 019:LAYER 01:ROW 01	NO
12/15/2007 9:49 AM	1161301 EXECUTED	LANL:54-G » 54-G:000048 DOME 48 STAGING	NO



CONTAINER PROFILE
S800594
T-TTRU-TEMP

WS ID: 37017
C ID: 756499
Opt ID: 005777
ACTIVE

TASK HISTORY

Date/ Time	Task ID/ Status	Task Name/ Storage or Disposal Grid Location	Reject
03/03/2009 3:08 PM	1161302 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 063:LAYER 01:ROW 10	NO
04/30/2009 2:00 PM	1161303 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 050:LAYER 02:ROW 02	NO
05/27/2009 2:21 PM	1161304 EXECUTED	LANL:54-G » 54-G:000231 STAGING	NO
05/27/2009 3:02 PM	1161305 EXECUTED	LANL:54-G » 54-G:000231 COLUMN 051:LAYER 01:ROW 02	NO
05/29/2009 3:32 PM	1161306 EXECUTED	LANL:54-G » 54-G:000231 COLUMN 051:LAYER 01:ROW 01	NO
05/30/2009 11:01 AM	1161307 EXECUTED	LANL:54-G » 54-G:000231 COLUMN 059:LAYER 01:ROW 01	NO
06/18/2009 12:19 PM	1161308 EXECUTED	LANL:54-G » 54-G:000231 STAGING	NO
06/22/2009 1:00 PM	1161309 EXECUTED	LANL:54-G » 54-G:000048 DOME 48 STAGING	NO
07/15/2009 8:50 AM	1161310 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 087:LAYER 01:ROW 08	NO
07/31/2009 1:12 PM	1161311 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 058:LAYER 02:ROW 04	NO
10/28/2009 1:29 PM	1161312 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 062:LAYER 01:ROW 02	NO
04/27/2010 11:27 AM	1161313 EXECUTED	LANL:54-G » 54-G:000033	NO
05/11/2010 9:03 AM	1161314 EXECUTED	LANL:54-G » 54-G:RTR-2	NO
09/15/2010 3:16 PM	1161920 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 091:LAYER 01:ROW 08	NO
10/04/2010 9:03 AM	1161921 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 091:LAYER 01:ROW 06	NO
10/13/2010 10:18 AM	1161922 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 039:LAYER 01:ROW 03	NO
10/18/2010 1:56 PM	1161923 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 039:LAYER 01:ROW 04	NO
10/28/2010 10:58 AM	1161924 EXECUTED	LANL:54-G » 54-G:000048 DOME 48 STAGING	NO
01/10/2011 3:06 PM	1161925 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 043:LAYER 01:ROW 08	NO
01/13/2011 9:36 AM	1161926 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 034:LAYER 01:ROW 08	NO
03/28/2011 10:02 AM	1161927 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 042:LAYER 01:ROW 06	NO



CONTAINER PROFILE
S800594
T-TTRU-TEMP

WS ID: 37017
C ID: 756499
Opt ID: 005777
ACTIVE

TASK HISTORY

Date/ Time	Task ID/ Status	Task Name/ Storage or Disposal Grid Location	Reject
06/07/2011 2:22 PM	1161928 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 047:LAYER 02:ROW 08	NO
09/21/2011 2:49 PM	1161929 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 039:LAYER 01:ROW 08	NO
10/19/2011 11:38 AM	1161930 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 039:LAYER 02:ROW 06	NO
01/19/2012 2:41 PM	1161931 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 039:LAYER 01:ROW 06	NO
01/24/2012 10:20 AM	1161932 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 047:LAYER 02:ROW 08	NO
02/10/2012 10:39 AM	1161933 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 031:LAYER 02:ROW 02	NO
02/25/2012 9:57 AM	1161934 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 031:LAYER 02:ROW 18	NO
03/16/2012 10:07 AM	1161935 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 031:LAYER 02:ROW 02	NO
03/18/2012 2:00 PM	1161936 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 048:LAYER 02:ROW 05	NO
06/12/2012 10:08 AM	1161937 EXECUTED	LANL:54-G » 54-G:000232 STAGING	NO
06/19/2012 4:44 PM	1161938 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 048:LAYER 02:ROW 05	NO
11/13/2012 1:50 PM	1161939 EXECUTED	LANL:54-G » 54-G:000048 DOME 48 STAGING	NO
11/15/2012 10:20 AM	1161940 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 045:LAYER 01:ROW 05	NO
11/29/2012 2:57 PM	1161941 EXECUTED	LANL:54-G » 54-G:000048 DOME 48 STAGING	NO
11/30/2012 9:35 AM	1161942 EXECUTED	LANL:54-G » 54-G:RTR-2	NO
11/30/2012 2:31 PM	1161943 EXECUTED	LANL:54-G » 54-G:000048 DOME 48 STAGING	NO
11/30/2012 3:15 PM	1161944 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 048:LAYER 01:ROW 05	NO
03/08/2013 10:16 AM	1161945 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 048:LAYER 01:ROW 06	NO
04/03/2013 2:33 PM	1161946 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 046:LAYER 01:ROW 02	NO
04/03/2013 2:48 PM	1161947 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 046:LAYER 01:ROW 06	NO
04/12/2013 11:05 AM	1161948 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 058:LAYER 01:ROW 04	NO



CONTAINER PROFILE
S800594
T-TTRU-TEMP

WS ID: 37017
C ID: 756499
Opt ID: 005777
ACTIVE

TASK HISTORY

Date/Time	Task ID/Status	Task Name/Storage or Disposal Grid Location	Reject
05/01/2013 10:05 AM	1161949 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 042:LAYER 01:ROW 06	NO
05/16/2013 1:31 PM	1161950 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 034:LAYER 02:ROW 08	NO
06/12/2013 11:12 AM	1161951 EXECUTED	LANL:54-G » 54-G:HENC-1	NO
06/25/2013 8:42 AM	1161952 EXECUTED	LANL:54-G » 54-G:000232 STAGING	NO
06/27/2013 11:44 AM	1161953 EXECUTED	LANL:54-G » 54-G:000049 DOME 49 STAGING	NO
06/28/2013 2:42 PM	1161954 EXECUTED	LANL:54-G » 54-G:000049 COLUMN 135 - READY TO SHIP:LAYER 01:ROW 08	NO
07/12/2013 10:07 AM	1161955 EXECUTED	LANL:54-G » 54-G:000049 COLUMN 131 - READY TO SHIP:LAYER 01:ROW 10	NO
07/23/2013 2:41 PM	1161956 EXECUTED	LANL:54-G » 54-G:000049 COLUMN 087 - READY TO SHIP:LAYER 01:ROW 06	NO
07/31/2013 9:23 AM	1161957 EXECUTED	LANL:54-G » 54-G:000049 COLUMN 118 - READY TO SHIP:LAYER 01:ROW 08	NO
08/12/2013 3:07 PM	1161958 EXECUTED	LANL:54-G » 54-G:000049 COLUMN 118 - READY TO SHIP:LAYER 01:ROW 07	NO
08/19/2013 9:43 AM	1161959 EXECUTED	LANL:54-G » 54-G:000049 COLUMN 118 - READY TO SHIP:LAYER 01:ROW 06	NO
08/27/2013 8:57 AM	1817286 EXECUTED	LANL:54-G: » 54-G:000049 COLUMN 116 - READY TO SHIP:LAYER 01:ROW 06	NO
08/27/2013 2:54 PM	1816091 EXECUTED	LANL:54-G: » 54-G:000049 COLUMN 116 - READY TO SHIP:LAYER 01:ROW 06	NO
08/27/2013 5:45 PM	1816436 PENDING	LANL:54-G - WALL2W - 000049	NO
09/10/2013 10:13 AM	1817494 EXECUTED	LANL:54-G: » 54-G:000049 COLUMN 118 - READY TO SHIP:LAYER 01:ROW 05	NO
09/26/2013 1:20 PM	1816780 EXECUTED	LANL:54-G: » 54-G:000049 COLUMN 118 - READY TO SHIP:LAYER 01:ROW 02	NO

Note: The physical container contents may differ from the information shown on the container profile.

DOCUMENTATION

Doc. Number	Title	Uploaded By
1	S800594-TWSR	WCATS APPLICATION (000000)



CONTAINER PROFILE
S800594
T-TTRU-TEMP

WS ID: 37017
C ID: 756499
Opt ID: 005777
ACTIVE

COMMENTS

Date Time/ User Name	Comment
08/23/2013 9:37 AM WCATS APPLICATION (000000)	90ML LINED STEEL DRUM
08/23/2013 10:51 PM WCATS APPLICATION (000000)	[UNIT] HENC 1; [DATE] 06/24/2013; [CONTAINER ID] S800594; [CERT / FAST] Certified; [PASS / FAIL] Pass; [COMMENT] None;

EDIT LOG

Date Time/ User Name	Quality Record	Explanation
08/23/2013 9:44 PM WCATS APPLICATION (000000)	NO	TRUP.TW_INIT TABLE (WASTEDB): [DRUM_NO] = 005777, [DUP] = , [ENTRY_SEQ] = 5598, [PACKING_CD] = G, [PKG_ID] = S800594, [RETRIEVER] = 108419, [RETRIEVE_COMMENTS] = inserted from table TW_INIT, 7/27/2000 by z077615, [RETRIEVE_CONDITION] = , [RETRIEVE_DT] = 1998-04-15 00:00:00, [SURFACE_DOSE] = , [UPD_WHEN] = 1998-05-05 00:00:00, [UPD_WHO] = Z111491, [VENT] = , [RANT] = , [ID] = 3762
08/23/2013 9:44 PM WCATS APPLICATION (000000)	NO	TRUP.TRUPKG TABLE (WASTEDB): [PKG_ID] = S800594, [ALPHA_CONT] = , [APPROVE_BY] = , [APPROVE_DATE] = , [BETA_GAMMA_CONT] = , [BLDG_CD] = 50-00001, [BX_SERIAL] = , [CERT_STATUS] = , [COLOR_CD] = , [COMMENTS] = 90ML LINED STEEL DRUM, [CONTENT_CODE] = , [CONTROL] = , [DATE_CLOSED] = , [GAMMA_DOSE] = , [GROSS_WT] = 450.0405, [GRP] = H7, [NEUTRON_DOSE] = , [NORMAL] = , [OLDDRUMNUM] = 005777, [OLDVOL_UNIT] = G, [OLDWT_UNIT] = K, [ORG_VOL] = , [ORG_WT] = , [PKG_CD] = 01, [PKG_CD_DESC] = STEEL DRUM (55 GAL), [PKG_DATE] = 1980-04-03 00:00:00, [PKG_FISS_GRAMS] = .161, [PKG_LOT] = , [PKG_PE_ACT] = .0662, [PKG_TARE_WT] = 60, [PKG_VOLUME] = .208, [PROC_BTCH_CD] = , [PROG_CODE] = , [ROOM] = 116B, [SAMPLE_ID] = , [THERMAL] = .002393968872004631205514670626323723204, [TOTAL_DOSE] = 1, [TOT_ANCG] = 415.385570861840052997003525426159631584, [TRUCON_CD] = , [WASTE_CD] = 75, [WPRF_CD] = , [YR_MFG] = , [WASTE_TYPE] = S3120, [INSP_DATE] = , [AUA_VUA] = , [PROCESS_ID] = , [WGEN_CD] = , [DOT_TYPE] = B, [BIR_ID] = LAM009, [RQ] = , [LSA_SCO_CD] = , [LSA] = , [A_START_DATE] = , [BIR_WS] = LA-M8, [LA_WS] = TA-50-19, [SWBOP] = , [RETRIEVABLE] = , [OFFSITE] = , [LINER_CD] = , [NET_WT] = 390.0405, [SHIP_CD] = , [WASTE_STREAM] = LA-MIN03-NC.001, [OVERPACK] = N, [REPACKED] = , [INVENTORY_NO] = 3, [INVENTORY_DT] = 1999-09-29 00:00:00, [CHCD_CC_CD] = , [CHCD_CA_CD] = , [CHCD_WP_CD] = , [DOT_DP] = , [WASTE_VERIF] = , [VERIF_COMPLETE] = , [HDL_CD] = S01, [UPD_WHEN] = 2004-06-30 11:55:51, [UPD_WHO] = 114644, [PHY_STATE] = S, [PKG_H3_ACT] = 0, [QTW] = N, [AK_REPORT] = CCP-AK-LANL-004, [STP] = 2
08/23/2013 9:44 PM WCATS APPLICATION (000000)	NO	TRUP.PKG_VENT TABLE (WASTEDB): [VENT_ID] = 8789, [FILTER_TYPE_CD] = SM, [INNER_OUTER] = , [PKG_ID] = S800594, [REMOVED] = , [SERIAL_NO] = 01985, [SOURCE] = , [UPD_WHEN] = 2000-08-14 00:00:00, [UPD_WHO] = W116406, [VENT_CD] = , [VENT_DATE] =
08/23/2013 9:44 PM WCATS APPLICATION (000000)	NO	TRUP.TW_PKG TABLE (WASTEDB): [PKG_ID] = S800594, [DIS_CD] = , [DIS_DT] = , [DRUM_NO] = 005777, [DVS_BURN] = , [DVS_CONDITION] = Good, [DVS_DRUM_WT] = 453, [DVS_EXPECT_HI_H2] = , [DVS_H2] = .08, [DVS_LID_CONTAM] = , [DVS_OPERATOR] = Dino Martinez, [DVS_PSIA] = .01, [DVS_VENT_DATE] = 1998-06-09 13:53:00, [DVS_VENT_STRIP] = , [RETRIEVE_COMMENTS] = inserted from table TW_INIT, 7/27/2000 by z077615, [RETRIEVE_CONDITION] = , [RETRIEVE_DT] = 1998-04-15 00:00:00, [RETRIEVER_ZNO] = 108419, [SURFACE_DOSE] = , [UPD_WHEN] = 2000-08-14 00:00:00, [UPD_WHO] = W116406
08/23/2013 12:33 PM WCATS APPLICATION (000000)	NO	TRUP.UPD_HISTORY TABLE: [UPD_ID] = 21107, [AUTH_BY] = 113199 -> CHRISTENSEN DAVIS V, [AUTH_NUM] = SR318, [PKG_ID] = S800594, [UPD_WHEN] = 03-26-1996, [UPD_WHO] = Z111142 -> LONGLEY JOHN M, [WHAT] = tgrams, tcuries, fiss_grams, thermal, pkg_pe_act, pkg_fiss_grams, [WHY] = Correct errors
08/23/2013 12:32 PM WCATS APPLICATION (000000)	NO	TRUP.UPD_HISTORY TABLE: [UPD_ID] = 30952, [AUTH_BY] = 111491 -> FERNANDEZ CHARLOTTE G, [AUTH_NUM] = , [PKG_ID] = S800594, [UPD_WHEN] = 03-25-1997, [UPD_WHO] = Z111491 -> FERNANDEZ CHARLOTTE G, [WHAT] = UPDATED, WAS AM241 1.372E-2, PU238 2.098E-4, PU239 4.137E-1 M., [WHY] = AS PER MICROFICHE COPY
08/23/2013 12:32 PM WCATS APPLICATION (000000)	NO	TRUP.UPD_HISTORY TABLE: [UPD_ID] = 30953, [AUTH_BY] = 111491 -> FERNANDEZ CHARLOTTE G, [AUTH_NUM] = , [PKG_ID] = S800594, [UPD_WHEN] = 03-25-1997, [UPD_WHO] = Z111491 -> FERNANDEZ CHARLOTTE G, [WHAT] = UPDATED TA & BUILD. WAS 50-00000, [WHY] = AS PER MICROFICHE COPY



CONTAINER PROFILE
S800594
T-TTRU-TEMP

WS ID: 37017
C ID: 756499
Opt ID: 005777
ACTIVE

EDIT LOG

Date Time/ User Name	Quality Record	Explanation
08/23/2013 8:46 AM WCATS APPLICATION (000000)	NO	INITWORKPATH (C_ID=756499/PATH_ID=465): SKIPPED (NO WORKPATH UNITS)



CONTAINER PROFILE
S870129
T-TTRU-TEMP

WS ID: 37017
C ID: 755714
Opt ID: 023235
ACTIVE

GENERAL INFORMATION

Container ID: 755714
Labeled ID: S870129
Optional ID: 023235
Chemical Barcode:
Physical State: SOLID
Waste Stream ID: 37017
Work Path: T-TTRU-TEMP
Quantity (Univ):
Compactible:



Status: ACTIVE
Decommissioned: NO
Container Type: DM: Metal drums, barrels, kegs
Container Subtype: 55-gallon steel drum
Origin Date: 23-Feb-1987 12:00 am
Accum Start Date: 23-Feb-1987
Closed Date:

Discard Matrix:

TID(s):

Gen Contact:

Insert By: WCATS APPLICATION (000000)

Waste Desc: GENERATED AT 55-PF4

WEIGHTS AND VOLUMES

Container Volume: 0.21 CM	Gross Weight: 203.30 lb
Waste Volume: NOT SPECIFIED	Tare Weight: 60.00 lb
	Net Weight: 143.30 lb

LOCATION

Pickup (Origin): LANL: 55-PF4: 400-AREA: 432

Current: LANL: 54-G: 000153: C042: L01: R04



CONTAINER PROFILE
S870129
T-TTRU-TEMP

WS ID: 37017
C ID: 755714
Opt ID: 023235
ACTIVE

PAYLOAD INFORMATION

Container Procurement

P.O. Number: _____ **Year of Manuf:** _____
Lot No.: _____ **Serial No:** _____

Solution Package: 76: AG Governors Goal Miscellaneous Solids

TRUCON Code:

Shipping Category:

CCP AK Report: CCP-AK-LANL-006: LANL TA-55 Mixed Transuranic Waste

WIPP Waste Stream: TA-55-33: SOLIDIFIED ORGANICS

Matrix Code: S3110 - HOMOGENEOUS SOLIDS: INORGANIC HOMOGENEOUS SOLIDS: INORGANIC PARTICULATES

Defense Waste: _____ **Equiv. Comb. Matrix:** Combustible/Dispensible

Adeq. Ventilation: YES **Compliant Metal Cont.:** YES

Overpack (1 to 1): NO **Retrievable:** _____ **BIR WS Code:** LA-M2

Content Code:

COST CODES

Cost Center	Prog Code	Cost Account	Work Package	Percent Allocation	Cost Center Status	Cost Code Status	Recharge Mode
<i>SELECTION LIST</i>							

EPA CODES

System Code	Hazardous Waste No.	Waste Description & Treatment Subcategory

FILTERS

Manufacturer	Model	Style	Diffusivity*	Serial Number	Torque Ft-lbs	Mfg Date Mon/Year
Not Specified	NA	Carbon Composite	0	05248		0/0

* Diffusivity is specified in moles per second per mole fraction



CONTAINER PROFILE
S870129
T-TTRU-TEMP

WS ID: 37017
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ACTIVE

RADIONUCLIDES

Nuclide	Amount	Unit	Uncert	MT Derived (Y/N)	Activated (Y/N)	MDA Result (Y/N)	Normal Form (Y/N)	Measurement Code/Comment
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Status: Inactive, Assay Page: 359621, Date: 02/23/1987, Derivation: Generator Entered Results (e.g., Offsite Assay)

52	3.20E-001	g	0.00E+000	N				NONE
Am-241	2.20E-003	Ci	0.00E+000	Y			Y	
Pu-238	5.48E-004	Ci	0.00E+000	Y			Y	
Pu-239	1.86E-002	Ci	0.00E+000	Y			Y	
Pu-240	4.36E-003	Ci	0.00E+000	Y			Y	
Pu-241	6.62E-002	Ci	0.00E+000	Y			Y	
Pu-242	2.52E-007	Ci	0.00E+000	Y			Y	
U-234	3.98E-008	Ci	0.00E+000	Y			Y	
U-235	6.92E-010	Ci	0.00E+000	Y			Y	

Status: Active, Assay Page: 406864, Date: 02/04/2013, Derivation: Non-Destructive Assay (NDA)

Am-241	7.46E-004	Ci	4.27E-004	N			Y	
Np-237	8.05E-007	Ci	1.17E-007	N			Y	
Pu-238	1.23E-004	Ci	7.07E-005	N			Y	
Pu-239	4.57E-003	Ci	2.56E-003	N			Y	
Pu-240	1.07E-003	Ci	6.16E-004	N			Y	
Pu-241	9.58E-003	Ci	5.53E-003	N			Y	
Pu-242	6.16E-008	Ci	3.55E-008	N			Y	
U-235	0.00E+000	Ci	0.00E+000	N			Y	



CONTAINER PROFILE
S870129
T-TTRU-TEMP

WS ID: 37017
C ID: 755714
Opt ID: 023235
ACTIVE

RAD CALCULATIONS

Total Activity (nCi/g):	2.47535E+02	DOT Fissile Mat (g):	7.37148E-02
Alpha (nCi/g):	1.00155E+02	Transport Index:	
TRU Alpha (nCi/g):	1.00151E+02	NRC Class:	GTCC
Pu-239 FGE [2U]:	1.56442E-01	DOT Type:	A
Pu-239 Eq-Ci:	6.70024E-03	LSA-I Fraction:	1.25338E+02 N
Pu-239 Eq-Ci [2U]:	1.20438E-02	LSA-II Fraction:	3.79626E-02 Y
TRU Pu-239 Eq-Ci:	6.70024E-03	LSA-III Fraction:	1.89813E-03 Y
TRU Pu-239 Eq-Ci [2U]:	1.20438E-02	Reportable Quantity:	6.60567E-01 N
Decay Heat [U] (W):	2.90965E-04	* ALC Ratio:	6.32889E+04 NE
Tritium (Ci/m3):	0.00000E+00	* ACM Ratio:	3.76013E+03 NE
TRU ECW PE-Ci:	6.70024E-03	Limited Quantity:	2.46758E+02 N

Weight/Volume Used:

- 1 Container Net Weight: 6.50002E+01 kg
- 2 Container Volume: 2.08000E-01 m3

**ALC (Activity Limit for Exempt Consignment)*
**ACM (Activity Concentration for Exempt Material)*
U = 1 Uncertainty, 2U = 2 Uncertainty

TASK HISTORY

Date/ Time	Task ID/ Status	Task Name/ Storage or Disposal Grid Location	Reject
02/24/1987 12:00 AM	1739875 EXECUTED	LANL:55-PF4 » 54-G:PAD04 POST 21:LAYER 01:POSITION CENTER	NO
03/11/1999 9:50 AM	1749691 EXECUTED	LANL:54-G » 54-G:000033	NO
04/07/1999 12:00 AM	1749692 EXECUTED	LANL:54-G » 54-G:000232 COLUMN 037:LAYER 03:ROW 11	NO
12/20/1999 12:00 AM	1749693 EXECUTED	LANL:54-G » 54-G:000375 COLUMN 013:LAYER 03:ROW 11	NO
10/21/2003 12:00 AM	1749694 EXECUTED	LANL:54-G » 54-G:000375 COLUMN 015:LAYER 03:ROW 12	NO
01/23/2004 12:00 AM	1749695 EXECUTED	LANL:54-G » 54-G:000375 COLUMN 025:NOT SPECIFIED:NOT SPECIFIED	NO
08/24/2004 10:37 AM	1749696 EXECUTED	LANL:54-G » 54-G:000375 COLUMN 025:NOT SPECIFIED:NOT SPECIFIED	NO
07/27/2005 9:19 AM	1749697 EXECUTED	LANL:54-G » 54-G:000375 COLUMN 109:NOT SPECIFIED:NOT SPECIFIED	NO
11/05/2005 10:30 AM	1749698 EXECUTED	LANL:54-G » 54-G:000375 COLUMN 109:LAYER 01:ROW 01	NO
11/10/2005 9:29 AM	1749699 EXECUTED	LANL:54-G » 54-G:000375 COLUMN 007:NOT SPECIFIED:NOT SPECIFIED	NO



CONTAINER PROFILE
S870129
T-TTRU-TEMP

WS ID: 37017
C ID: 755714
Opt ID: 023235
ACTIVE

TASK HISTORY

Date/ Time	Task ID/ Status	Task Name/ Storage or Disposal Grid Location	Reject
01/10/2006 2:31 PM	1749700 EXECUTED	LANL:54-G » 54-G:000375 COLUMN 009:LAYER 04:ROW 01	NO
03/17/2006 1:32 PM	1749701 EXECUTED	LANL:54-G » 54-G:000375 COLUMN 006:NOT SPECIFIED:NOT SPECIFIED	NO
07/11/2006 8:37 AM	1749702 EXECUTED	LANL:54-G » 54-G:000375 COLUMN 015:LAYER 02:ROW 07	NO
07/24/2006 1:43 PM	1749703 EXECUTED	LANL:54-G » 54-G:000375 COLUMN 013:LAYER 02:ROW 08	NO
08/29/2006 10:24 AM	1749704 EXECUTED	LANL:54-G » 54-G:000375 COLUMN 021:LAYER 03:ROW 18	NO
09/22/2006 10:06 AM	1749705 EXECUTED	LANL:54-G » 54-G:000375 COLUMN 032:LAYER 02:ROW 06	NO
04/02/2007 12:00 AM	1749706 EXECUTED	LANL:54-G » 54-G:000375 COLUMN 031:LAYER 02:ROW 06	NO
04/10/2007 3:04 PM	1749707 EXECUTED	LANL:54-G » 54-G:000375 COLUMN 031:LAYER 01:ROW 02	NO
04/30/2007 10:47 AM	1749708 EXECUTED	LANL:54-G » 54-G:000283-O	NO
05/01/2007 2:20 PM	1749709 EXECUTED	LANL:54-G » 54-G:000232 B232 NDA QUICKSCAN STAGING	NO
05/02/2007 8:35 AM	1749710 EXECUTED	LANL:54-G » 54-G:RTR-1	NO
05/02/2007 4:15 PM	1749711 EXECUTED	LANL:54-G » 54-G:000048 DOME 48 STAGING	NO
05/07/2007 10:40 AM	1749712 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 073:LAYER 01:ROW 10	NO
05/21/2007 9:50 AM	1749713 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 069:LAYER 02:ROW 02	NO
01/21/2008 9:24 AM	1749714 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 072:LAYER 01:ROW 06	NO
06/23/2008 2:56 PM	1749715 EXECUTED	LANL:54-G » 54-G:000048 DOME 48 STAGING	NO
10/22/2008 10:06 AM	1749716 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 072:LAYER 01:ROW 06	NO
01/08/2009 12:18 PM	1749717 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 056:LAYER 01:ROW 04	NO
01/20/2009 1:48 PM	1749718 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 052:LAYER 01:ROW 08	NO
03/04/2009 2:36 PM	1749719 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 057:LAYER 01:ROW 08	NO
04/30/2009 2:05 PM	1749720 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 055:LAYER 01:ROW 08	NO



CONTAINER PROFILE
S870129
T-TTRU-TEMP

WS ID: 37017
C ID: 755714
Opt ID: 023235
ACTIVE

TASK HISTORY

Date/ Time	Task ID/ Status	Task Name/ Storage or Disposal Grid Location	Reject
05/19/2009 10:27 AM	1749721 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 048:LAYER 01:ROW 08	NO
06/03/2009 10:00 AM	1749722 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 033:LAYER 02:ROW 04	NO
06/10/2009 2:38 PM	1749723 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 031:LAYER 01:ROW 04	NO
07/15/2009 8:33 AM	1749724 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 029:LAYER 01:ROW 04	NO
06/03/2010 10:08 AM	1749725 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 049:LAYER 02:ROW 08	NO
06/16/2010 11:00 AM	1749726 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 045:LAYER 01:ROW 06	NO
06/29/2010 9:30 AM	1750395 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 029:LAYER 02:ROW 08	NO
09/09/2010 2:47 PM	1750396 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 033:LAYER 02:ROW 06	NO
12/07/2010 1:30 PM	1750397 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 049:LAYER 02:ROW 04	NO
09/21/2011 2:40 PM	1750398 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 044:LAYER 02:ROW 08	NO
10/19/2011 11:27 AM	1750399 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 052:LAYER 02:ROW 06	NO
11/10/2011 11:50 AM	1750400 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 051:LAYER 01:ROW 06	NO
01/24/2012 11:17 AM	1750401 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 039:LAYER 02:ROW 02	NO
02/10/2012 10:46 AM	1750402 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 035:LAYER 01:ROW 02	NO
03/18/2012 2:03 PM	1750403 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 046:LAYER 02:ROW 06	NO
06/12/2012 10:08 AM	1750404 EXECUTED	LANL:54-G » 54-G:000232 STAGING	NO
06/19/2012 4:45 PM	1750405 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 046:LAYER 02:ROW 06	NO
11/13/2012 1:49 PM	1750406 EXECUTED	LANL:54-G » 54-G:000048 DOME 48 STAGING	NO
11/15/2012 10:21 AM	1750407 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 047:LAYER 01:ROW 06	NO
11/29/2012 2:57 PM	1750408 EXECUTED	LANL:54-G » 54-G:000048 DOME 48 STAGING	NO
11/30/2012 9:35 AM	1750409 EXECUTED	LANL:54-G » 54-G:RTR-2	NO



CONTAINER PROFILE
S870129
T-TTRU-TEMP

WS ID: 37017
C ID: 755714
Opt ID: 023235
ACTIVE

TASK HISTORY

Date/ Time	Task ID/ Status	Task Name/ Storage or Disposal Grid Location	Reject
11/30/2012 2:31 PM	1750410 EXECUTED	LANL:54-G » 54-G:000048 DOME 48 STAGING	NO
11/30/2012 3:15 PM	1750411 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 046:LAYER 01:ROW 05	NO
01/31/2013 11:13 AM	1750412 EXECUTED	LANL:54-G » 54-G:HENC-1	NO
02/05/2013 8:56 AM	1750413 EXECUTED	LANL:54-G » 54-G:000232 STAGING	NO
03/06/2013 2:36 PM	1750414 EXECUTED	LANL:54-G » 54-G:000153-O STAGING ON EAST SIDE OF DOME	NO
03/19/2013 4:16 PM	1750415 EXECUTED	LANL:54-G » 54-G:HGAS	NO
04/01/2013 1:49 PM	1750416 EXECUTED	LANL:54-G » 54-G:000153-O STAGING ON EAST SIDE OF DOME	NO
04/12/2013 9:29 AM	1750417 EXECUTED	LANL:54-G » 54-G:000153 COLUMN 094:LAYER 01:ROW 06	NO
05/15/2013 9:32 AM	1750418 EXECUTED	LANL:54-G » 54-G:000153 COLUMN 094:LAYER 01:ROW 01	NO
06/17/2013 10:50 AM	1750419 EXECUTED	LANL:54-G » 54-G:000153 COLUMN 087:LAYER 01:ROW 12	NO
07/12/2013 11:07 AM	1750420 EXECUTED	LANL:54-G » 54-G:000153 COLUMN 071:LAYER 01:ROW 06	NO
08/01/2013 10:53 AM	1750421 EXECUTED	LANL:54-G » 54-G:000153 COLUMN 087:LAYER 01:ROW 10	NO
08/29/2013 2:46 PM	1816939 EXECUTED	LANL:54-G: » 54-G:000153 COLUMN 058:LAYER 01:ROW 04	NO
09/26/2013 3:30 PM	1816971 EXECUTED	LANL:54-G: » 54-G:000153 COLUMN 042:LAYER 01:ROW 04	NO

DOCUMENTATION

Doc. Number	Title	Uploaded By
1	S870129-TWSR	WCATS APPLICATION (000000)

COMMENTS

Date Time/ User Name	Comment
08/23/2013 9:37 AM WCATS APPLICATION (000000)	COMBUSTIBLE INC 4 VIA MST 10 A03355
08/23/2013 10:51 PM WCATS APPLICATION (000000)	[UNIT] HENC 1; [DATE] 02/04/2013; [CONTAINER ID] S870129; [CERT / FAST] Certified; [PASS / FAIL] Pass; [COMMENT] None;



CONTAINER PROFILE
S870129
T-TTRU-TEMP

WS ID: 37017
C ID: 755714
Opt ID: 023235
ACTIVE

EDIT LOG

Date Time/ User Name	Quality Record	Explanation
08/23/2013 9:45 PM WCATS APPLICATION (000000)	NO	TRUP.PKG_VENT TABLE (WASTEDB): [VENT_ID] = 8060, [FILTER_TYPE_CD] = CC, [INNER_OUTER] = , [PKG_ID] = S870129, [REMOVED] = , [SERIAL_NO] = 05248, [SOURCE] = , [UPD_WHEN] = 2000-04-25 00:00:00, [UPD_WHO] = W116406, [VENT_CD] = , [VENT_DATE] =
08/23/2013 9:45 PM WCATS APPLICATION (000000)	NO	TRUP.TRUPKG TABLE (WASTEDB): [PKG_ID] = S870129, [ALPHA_CONT] = , [APPROVE_BY] = , [APPROVE_DATE] = , [BETA_GAMMA_CONT] = , [BLDG_CD] = 55-PF4, [BX_SERIAL] = , [CERT_STATUS] = , [COLOR_CD] = , [COMMENTS] = COMBUSTIBLE INC 4 VIA MST 10 A03355, [CONTENT_CODE] = , [CONTROL] = , [DATE_CLOSED] = , [GAMMA_DOSE] = , [GROSS_WT] = 203.301, [GRP] = MST10, [NEUTRON_DOSE] = , [NORMAL] = , [OLDDRUMNUM] = 023235, [OLDVOL_UNIT] = M, [OLDWT_UNIT] = K, [ORG_VOL] = , [ORG_WT] = , [PKG_CD] = 01, [PKG_CD_DESC] = STEEL DRUM (55 GAL), [PKG_DATE] = 1987-02-24 00:00:00, [PKG_FISS_GRAMS] = .0731, [PKG_LOT] = , [PKG_PE_ACT] = .00669, [PKG_TARE_WT] = 60, [PKG_VOLUME] = .208, [PROC_BTCH_CD] = , [PROG_CODE] = , [ROOM] = 432, [SAMPLE_ID] = , [THERMAL] = .0008148231505403712, [TOTAL_DOSE] = 1, [TOT_ANCG] = 399.795725974720001744702665608079154856, [TRUCON_CD] = , [WASTE_CD] = 20, [WPRF_CD] = , [YR_MFG] = , [WASTE_TYPE] = S3110, [INSP_DATE] = , [AUA_VUA] = , [PROCESS_ID] = , [WGEN_CD] = , [DOT_TYPE] = , [BIR_ID] = LAT004, [RQ] = , [LSA_SCO_CD] = , [LSA] = , [A_START_DATE] = , [BIR_WS] = LA-M2, [LA_WS] = TA-55-33, [SWBOP] = , [RETRIEVABLE] = , [OFFSITE] = , [LINER_CD] = , [NET_WT] = 143.301, [SHIP_CD] = , [WASTE_STREAM] = LA-MIN02-V.001, [OVERPACK] = N, [REPACKED] = , [INVENTORY_NO] = 2, [INVENTORY_DT] = 1999-04-07 00:00:00, [CHCD_CC_CD] = , [CHCD_CA_CD] = , [CHCD_WP_CD] = , [DOT_DP] = , [WASTE_VERIF] = , [VERIF_COMPLETE] = , [HDL_CD] = , [UPD_WHEN] = 2004-06-30 11:55:37, [UPD_WHO] = 114644, [PHY_STATE] = S, [PKG_H3_ACT] = 0, [QTW] = N, [AK_REPORT] = CCP-AK-LANL-006, [STP] = 0
08/23/2013 9:45 PM WCATS APPLICATION (000000)	NO	TRUP.TW_PKG TABLE (WASTEDB): [PKG_ID] = S870129, [DIS_CD] = G, [DIS_DT] = , [DRUM_NO] = 023235, [DVS_BURN] = , [DVS_CONDITION] = Good, [DVS_DRUM_WT] = 206, [DVS_EXPECT_HI_H2] = , [DVS_H2] = 0, [DVS_LID_CONTAM] = , [DVS_OPERATOR] = Dino Martinez, [DVS_PSIA] = 6.7, [DVS_VENT_DATE] = 1999-03-23 05:51:00, [DVS_VENT_STRIP] = , [RETRIEVE_COMMENTS] = Info. entered from DVR, no retrieval info attached as of 4/25/00., [RETRIEVE_CONDITION] = , [RETRIEVE_DT] = 1999-03-23 00:00:00, [RETRIEVER_ZNO] = , [SURFACE_DOSE] = , [UPD_WHEN] = 2000-04-25 00:00:00, [UPD_WHO] = W116406
08/23/2013 12:33 PM WCATS APPLICATION (000000)	NO	TRUP.UPD_HISTORY TABLE: [UPD_ID]= 22232, [AUTH_BY]= 113199 -> CHRISTENSEN DAVIS V , [AUTH_NUM]= SR318, [PKG_ID]= S870129, [UPD_WHEN]= 03-26-1996, [UPD_WHO]= Z111142 -> LONGLEY JOHN M , [WHAT]= tgrams, tcuries, fiss_grams, thermal, pkg_pe_act, pkg_fiss_grams, [WHY]= Correct errors
08/23/2013 8:46 AM WCATS APPLICATION (000000)	NO	INITWORKPATH (C_ID=755714/PATH_ID=465): SKIPPED (NO WORKPATH UNITS)



CONTAINER PROFILE
S850595
T-TTRU-TEMP

WS ID: 37017
C ID: 766258
Opt ID: 020221
ACTIVE

GENERAL INFORMATION

Container ID: 766258
Labeled ID: S850595
Optional ID: 020221
Chemical Barcode:
Physical State: SOLID
Waste Stream ID: 37017
Work Path: T-TTRU-TEMP
Quantity (Univ):
Compactible:



Status: ACTIVE
Decommissioned: NO
Container Type: DM: Metal drums, barrels, kegs
Container Subtype: 55-gallon steel drum
Origin Date: 19-Aug-1985 12:00 am
Accum Start Date: 19-Aug-1985
Closed Date:

Discard Matrix:

TID(s):

Gen Contact:

Insert By: WCATS APPLICATION (000000)

Waste Desc: GENERATED AT 50-00001

WEIGHTS AND VOLUMES

Container Volume: 0.21 CM **Gross Weight:** 471.43 lb
Waste Volume: NOT SPECIFIED **Tare Weight:** 60.00 lb
Net Weight: 411.43 lb

LOCATION

Pickup (Origin): LANL: 50: 000001: 116B
Current: LANL: 54-G: 000049: C092R: L01: R06



CONTAINER PROFILE
S850595
T-TTRU-TEMP

WS ID: 37017
C ID: 766258
Opt ID: 020221
ACTIVE

PAYLOAD INFORMATION

Container Procurement

P.O. Number: _____ **Year of Manuf:** _____
Lot No.: _____ **Serial No:** _____

Solution Package: 76: AG Governors Goal Miscellaneous Solids
TRUCON Code: _____
Shipping Category: _____
CCP AK Report: CCP-AK-LANL-004: LANL TA-50 Mixed Transuranic Waste
WIPP Waste Stream: TA-50-19: VACUUM FILTER CAKE
Matrix Code: S3120 - HOMOGENEOUS SOLIDS: INORGANIC HOMOGENEOUS SOLIDS: INORGANIC SLUDGES
Defense Waste: _____ **Equiv. Comb. Matrix:** Non-combustible/Non-dispersible
Adeq. Ventilation: YES **Compliant Metal Cont.:** YES
Overpack (1 to 1): NO **Retrievable:** _____ **BIR WS Code:** LA-M8
Content Code: _____

COST CODES

Cost Center	Prog Code	Cost Account	Work Package	Percent Allocation	Cost Center Status	Cost Code Status	Recharge Mode
<i>SELECTION LIST</i>							

EPA CODES

System Code	Hazardous Waste No.	Waste Description & Treatment Subcategory
D007A	D007	Chromium
D008A	D008	Lead
D009B	D009	Mercury: Nonwastewaters that exhibit toxicity for Hg based on TCLP; and contain >= 260 mg/kg total Hg that contain ORGANICS and are NOT incinerator residues
F001H	F001	Spent halogenated solvents used in degreasing: Unspecified

FILTERS

Manufacturer	Model	Style	Diffusivity*	Serial Number	Torque Ft-lbs	Mfg Date Mon/Year
Not Specified	NA	Carbon Composite	0	01890		0/0
Not Specified	NA	NA	0	CJ285		0/0

* Diffusivity is specified in moles per second per mole fraction



CONTAINER PROFILE
S850595
T-TTRU-TEMP

WS ID: 37017
C ID: 766258
Opt ID: 020221
ACTIVE

RADIONUCLIDES

Nuclide	Amount	Unit	Uncert	MT Derived (Y/N)	Activated (Y/N)	MDA Result (Y/N)	Normal Form (Y/N)	Measurement Code/Comment
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Status: Inactive, Assay Page: 339330, Date: 08/19/1985, Derivation: Generator Entered Results (e.g., Offsite Assay)

Am-241	1.14E-002	Ci	0.00E+000	N			Y	
Pu-238	4.14E-003	Ci	0.00E+000	N			Y	
Pu-239	7.41E-003	Ci	0.00E+000	N			Y	

Status: Inactive, Assay Page: 399479, Date: 06/20/2013, Derivation: Non-Destructive Assay (NDA)

Cs-137	2.28E-007	Ci	7.38E-008	N			Y	
Np-237	0.00E+000	Ci	0.00E+000	N			Y	
Pb-212	1.23E-005	Ci	2.27E-006	N			Y	
Pu-241	0.00E+000	Ci	0.00E+000	N			Y	
Sr-90	2.28E-007	Ci	7.38E-008	N			Y	
Tl-208	3.21E-006	Ci	6.01E-007	N			Y	
U-235	0.00E+000	Ci	0.00E+000	N			Y	

Status: Active, Assay Page: 414059, Date: 06/20/2013, Derivation: Non-Destructive Assay (NDA)

Am-241	0.00E+000	Ci	8.77E-004	N	N	Y	Y	
Cs-137	2.28E-007	Ci	7.38E-008	N	N	N	Y	
Pb-212	1.23E-005	Ci	2.27E-006	N	N	N	Y	
Pu-238	0.00E+000	Ci	2.19E-004	N	N	Y	Y	
Pu-239	0.00E+000	Ci	7.45E-003	N	N	Y	Y	
Pu-240	0.00E+000	Ci	1.74E-003	N	N	Y	Y	
Pu-241	0.00E+000	Ci	2.63E-002	N	N	Y	Y	
Pu-242	0.00E+000	Ci	1.00E-007	N	N	Y	Y	
Sr-90	2.28E-007	Ci	7.38E-008	N	N	N	Y	
Tl-208	3.21E-006	Ci	6.01E-007	N	N	N	Y	
U-234	0.00E+000	Ci	1.60E-008	N	N	Y	Y	
U-235	0.00E+000	Ci	2.77E-010	N	N	Y	Y	



CONTAINER PROFILE
S850595
T-TTRU-TEMP

WS ID: 37017
C ID: 766258
Opt ID: 020221
ACTIVE

RAD CALCULATIONS

Total Activity (nCi/g):	1.95980E+02	DOT Fissile Mat (g):	1.20401E-01
Alpha (nCi/g):	5.51318E+01	Transport Index:	
TRU Alpha (nCi/g):	0.00000E+00	NRC Class:	C
Pu-239 FGE [2U]:	3.60892E-01	DOT Type:	A
Pu-239 Eq-Ci:	1.07990E-02	LSA-I Fraction:	6.97360E+01 N
Pu-239 Eq-Ci [2U]:	2.62448E-02	LSA-II Fraction:	2.12660E-02 Y
TRU Pu-239 Eq-Ci:	1.07990E-02	LSA-III Fraction:	1.06330E-03 Y
TRU Pu-239 Eq-Ci [2U]:	2.62448E-02	Reportable Quantity:	1.05508E+00 Y
Decay Heat [U] (W):	5.69191E-04	* ALC Ratio:	1.05834E+05 NE
Tritium (Ci/m3):	0.00000E+00	* ACM Ratio:	2.09208E+03 NE
TRU ECW PE-Ci:	5.83144E-05	Limited Quantity:	3.96868E+02 N

Weight/Volume Used:

1 Container Net Weight: 1.86621E+02 kg
 2 Container Volume: 2.08000E-01 m3

**ALC (Activity Limit for Exempt Consignment)*
**ACM (Activity Concentration for Exempt Material)*
U = 1 Uncertainty, 2U = 2 Uncertainty

TASK HISTORY

Date/Time	Task ID/Status	Task Name/Storage or Disposal Grid Location	Reject
08/20/1985 12:00 AM	1605802 EXECUTED	LANL:50 » 54-G:PAD04 POST 06:LAYER 01:POSITION EAST	NO
11/30/1999 11:41 AM	1616761 EXECUTED	LANL:54-G » 54-G:000033	NO
12/16/1999 12:00 AM	1616763 EXECUTED	LANL:54-G » 54-G:000232 COLUMN 051:LAYER 02:ROW 16	NO
10/01/2003 12:00 AM	1616765 EXECUTED	LANL:54-G » 54-G:000231 COLUMN 018:LAYER 01:ROW 16	NO
11/20/2003 12:00 AM	1616767 EXECUTED	LANL:54-G » 54-G:000231 STAGING	NO
04/07/2004 12:00 AM	1616769 EXECUTED	LANL:54-G » 54-G:000232 STAGING	NO
05/10/2004 12:00 AM	1616771 EXECUTED	LANL:54-G » 54-G:000048 DOME 48 STAGING	NO
06/15/2004 12:00 AM	1616773 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 220:NOT SPECIFIED:NOT SPECIFIED	NO
02/12/2005 1:43 PM	1616775 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 220:NOT SPECIFIED:NOT SPECIFIED	NO
04/30/2005 2:42 PM	1616777 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 220:LAYER 01:ROW 01	NO



CONTAINER PROFILE
S850595
T-TTRU-TEMP

WS ID: 37017
C ID: 766258
Opt ID: 020221
ACTIVE

TASK HISTORY

Date/ Time	Task ID/ Status	Task Name/ Storage or Disposal Grid Location	Reject
06/26/2005 1:07 PM	1616778 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 220:NOT SPECIFIED:NOT SPECIFIED	NO
10/29/2005 3:02 PM	1616780 EXECUTED	LANL:54-G » 54-G:000229 COLUMN 022:LAYER 01:NOT SPECIFIED	NO
11/02/2005 2:50 PM	1616781 EXECUTED	LANL:54-G » 54-G:000226 COLUMN 022:NOT SPECIFIED:NOT SPECIFIED	NO
08/14/2006 10:14 AM	1616783 EXECUTED	LANL:54-G » 54-G:000231 COLUMN 009:LAYER 01:ROW 07	NO
01/26/2007 3:45 PM	1616795 EXECUTED	LANL:54-G » 54-G:000231 COLUMN 008:LAYER 02:ROW 15	NO
02/27/2007 1:47 PM	1616796 EXECUTED	LANL:54-G » 54-G:000231 COLUMN 008:LAYER 03:ROW 05	NO
04/02/2007 12:00 AM	1616798 EXECUTED	LANL:54-G » 54-G:000231 COLUMN 010:LAYER 03:ROW 05	NO
06/02/2007 9:54 AM	1616799 EXECUTED	LANL:54-G » 54-G:000231 COLUMN 010:LAYER 01:ROW 05	NO
07/10/2007 11:02 AM	1616801 EXECUTED	LANL:54-G » 54-G:000229 COLUMN 016:LAYER 03:ROW 11	NO
08/16/2007 1:16 PM	1616802 EXECUTED	LANL:54-G » 54-G:000231 COLUMN 016:LAYER 01:ROW 09	NO
08/20/2007 2:07 PM	1616804 EXECUTED	LANL:54-G » 54-G:000231 COLUMN 016:LAYER 03:ROW 07	NO
08/22/2007 9:03 AM	1616806 EXECUTED	LANL:54-G » 54-G:000231 COLUMN 012:LAYER 03:ROW 11	NO
09/04/2007 10:59 AM	1616807 EXECUTED	LANL:54-G » 54-G:000231 COLUMN 013:LAYER 01:ROW 11	NO
10/31/2007 8:35 AM	1616808 EXECUTED	LANL:54-G » 54-G:000231 COLUMN 009:LAYER 03:ROW 03	NO
01/31/2008 2:11 PM	1616809 EXECUTED	LANL:54-G » 54-G:000231 COLUMN 009:LAYER 03:ROW 05	NO
02/14/2008 10:56 AM	1616811 EXECUTED	LANL:54-G » 54-G:000231 COLUMN 021:LAYER 03:ROW 11	NO
04/15/2008 9:20 AM	1616812 EXECUTED	LANL:54-G » 54-G:000231 COLUMN 017:LAYER 02:ROW 09	NO
04/23/2008 2:40 PM	1616814 EXECUTED	LANL:54-G » 54-G:000231 COLUMN 017:LAYER 01:ROW 09	NO
05/12/2008 2:10 PM	1616816 EXECUTED	LANL:54-G » 54-G:000231 COLUMN 009:LAYER 01:ROW 05	NO
06/26/2008 1:40 PM	1616819 EXECUTED	LANL:54-G » 54-G:000231 COLUMN 015:LAYER 02:ROW 07	NO
07/02/2008 8:30 AM	1616821 EXECUTED	LANL:54-G » 54-G:000231 COLUMN 020:LAYER 03:ROW 09	NO



CONTAINER PROFILE
S850595
T-TTRU-TEMP

WS ID: 37017
C ID: 766258
Opt ID: 020221
ACTIVE

TASK HISTORY

Date/ Time	Task ID/ Status	Task Name/ Storage or Disposal Grid Location	Reject
09/02/2008 2:44 PM	1616823 EXECUTED	LANL:54-G » 54-G:000231 COLUMN 013:LAYER 01:ROW 11	NO
11/19/2008 3:18 PM	1616824 EXECUTED	LANL:54-G » 54-G:000231 COLUMN 025:LAYER 02:ROW 05	NO
02/02/2009 11:10 AM	1616827 EXECUTED	LANL:54-G » 54-G:000231 COLUMN 021:LAYER 02:ROW 13	NO
04/28/2009 10:20 AM	1616830 EXECUTED	LANL:54-G » 54-G:000231 COLUMN 020:LAYER 03:ROW 03	NO
05/11/2009 2:53 PM	1616832 EXECUTED	LANL:54-G » 54-G:000231 STAGING	NO
05/12/2009 12:09 PM	1616834 EXECUTED	LANL:54-G » 54-G:RTR-2	NO
06/01/2009 9:44 AM	1616835 EXECUTED	LANL:54-G » 54-G:000231 STAGING	NO
06/30/2009 11:47 AM	1617451 EXECUTED	LANL:54-G » 54-G:RTR-2	NO
07/29/2009 1:25 PM	1617417 EXECUTED	LANL:54-G » 54-G:000231 COLUMN 018:LAYER 01:ROW 13	NO
07/29/2009 2:04 PM	1617418 EXECUTED	LANL:54-G » 54-G:000231 COLUMN 022:LAYER 01:ROW 13	NO
08/25/2009 11:17 AM	1617419 EXECUTED	LANL:54-G » 54-G:000231 COLUMN 049:LAYER 01:ROW 03	NO
08/26/2009 11:20 AM	1617420 EXECUTED	LANL:54-G » 54-G:000231 STAGING	NO
08/27/2009 10:57 AM	1617421 EXECUTED	LANL:54-G » 54-G:000231 COLUMN 053:LAYER 01:ROW 03	NO
09/01/2009 4:34 PM	1617422 EXECUTED	LANL:54-G » 54-G:000231 COLUMN 053:LAYER 01:ROW 02	NO
09/18/2009 3:33 PM	1617423 EXECUTED	LANL:54-G » 54-G:000231 COLUMN 055:LAYER 01:ROW 03	NO
09/21/2009 3:44 PM	1617424 EXECUTED	LANL:54-G » 54-G:000231 COLUMN 063:LAYER 02:ROW 05	NO
09/29/2009 9:37 AM	1617425 EXECUTED	LANL:54-G » 54-G:000231 COLUMN 067:LAYER 02:ROW 03	NO
10/06/2009 2:18 PM	1617426 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 053:LAYER 01:ROW 04	NO
11/18/2009 10:52 AM	1617427 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 053:LAYER 01:ROW 03	NO
01/20/2010 2:43 PM	1617428 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 068:LAYER 02:ROW 05	NO
01/27/2010 1:52 PM	1617429 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 068:LAYER 01:ROW 05	NO



CONTAINER PROFILE
S850595
T-TTRU-TEMP

WS ID: 37017
C ID: 766258
Opt ID: 020221
ACTIVE

TASK HISTORY

Date/ Time	Task ID/ Status	Task Name/ Storage or Disposal Grid Location	Reject
02/10/2010 1:58 PM	1617430 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 072:LAYER 01:ROW 05	NO
04/13/2010 3:34 PM	1617431 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 072:LAYER 01:ROW 01	NO
05/04/2010 10:41 AM	1617432 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 053:LAYER 01:ROW 01	NO
06/03/2010 10:41 AM	1617433 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 059:LAYER 01:ROW 07	NO
06/04/2010 11:20 AM	1617434 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 059:LAYER 01:ROW 08	NO
06/16/2010 10:49 AM	1617435 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 051:LAYER 02:ROW 04	NO
06/17/2010 9:19 AM	1617436 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 039:LAYER 02:ROW 02	NO
07/06/2010 11:17 AM	1617437 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 051:LAYER 02:ROW 06	NO
07/27/2010 9:37 AM	1617438 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 055:LAYER 02:ROW 08	NO
09/09/2010 2:46 PM	1617439 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 047:LAYER 02:ROW 04	NO
09/21/2011 2:45 PM	1617440 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 051:LAYER 02:ROW 04	NO
11/10/2011 11:49 AM	1617441 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 047:LAYER 01:ROW 04	NO
01/24/2012 10:21 AM	1617442 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 046:LAYER 01:ROW 08	NO
02/10/2012 10:18 AM	1617443 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 050:LAYER 01:ROW 04	NO
02/25/2012 10:19 AM	1617444 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 047:LAYER 02:ROW 08	NO
02/29/2012 2:51 PM	1617445 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 079:LAYER 01:ROW 06	NO
03/12/2012 3:02 PM	1617446 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 083:LAYER 02:ROW 08	NO
03/16/2012 9:54 AM	1617447 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 067:LAYER 01:ROW 08	NO
03/18/2012 2:03 PM	1617448 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 046:LAYER 02:ROW 02	NO
06/12/2012 10:08 AM	1617449 EXECUTED	LANL:54-G » 54-G:000232 STAGING	NO
06/19/2012 4:45 PM	1617450 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 046:LAYER 02:ROW 02	NO



CONTAINER PROFILE
S850595
T-TTRU-TEMP

WS ID: 37017
C ID: 766258
Opt ID: 020221
ACTIVE

TASK HISTORY

Date/ Time	Task ID/ Status	Task Name/ Storage or Disposal Grid Location	Reject
11/29/2012 2:50 PM	1617452 EXECUTED	LANL:54-G » 54-G:000048 DOME 48 STAGING	NO
11/30/2012 9:35 AM	1617453 EXECUTED	LANL:54-G » 54-G:RTR-2	NO
11/30/2012 2:31 PM	1617454 EXECUTED	LANL:54-G » 54-G:000048 DOME 48 STAGING	NO
11/30/2012 3:16 PM	1617455 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 048:LAYER 01:ROW 06	NO
03/08/2013 10:16 AM	1618012 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 048:LAYER 01:ROW 05	NO
04/03/2013 2:32 PM	1618013 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 048:LAYER 01:ROW 02	NO
04/03/2013 2:48 PM	1618014 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 048:LAYER 01:ROW 06	NO
04/12/2013 11:05 AM	1618015 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 060:LAYER 01:ROW 04	NO
05/01/2013 10:06 AM	1618016 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 044:LAYER 01:ROW 06	NO
05/16/2013 1:30 PM	1618017 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 036:LAYER 02:ROW 08	NO
06/19/2013 3:23 PM	1618018 EXECUTED	LANL:54-G » 54-G:HENC-1	NO
06/20/2013 3:49 PM	1618019 EXECUTED	LANL:54-G » 54-G:000232 STAGING	NO
06/27/2013 11:46 AM	1618020 EXECUTED	LANL:54-G » 54-G:000049 DOME 49 STAGING	NO
06/28/2013 2:43 PM	1618021 EXECUTED	LANL:54-G » 54-G:000049 COLUMN 133 - READY TO SHIP:LAYER 02:ROW 01	NO
07/22/2013 9:32 AM	1618022 EXECUTED	LANL:54-G » 54-G:000049 COLUMN 096 - READY TO SHIP:LAYER 01:ROW 08	NO
07/23/2013 2:34 PM	1618023 EXECUTED	LANL:54-G » 54-G:000049 COLUMN 094 - READY TO SHIP:LAYER 01:ROW 06	NO
08/12/2013 3:13 PM	1618024 EXECUTED	LANL:54-G » 54-G:000049 COLUMN 092 - READY TO SHIP:LAYER 01:ROW 06	NO
08/19/2013 9:47 AM	1618025 EXECUTED	LANL:54-G » 54-G:000049 COLUMN 094 - READY TO SHIP:LAYER 01:ROW 06	NO
08/27/2013 8:58 AM	1816086 EXECUTED	LANL:54-G: » 54-G:000049 COLUMN 092 - READY TO SHIP:LAYER 01:ROW 06	NO
08/27/2013 2:54 PM	1816091 EXECUTED	LANL:54-G: » 54-G:000049 COLUMN 092 - READY TO SHIP:LAYER 01:ROW 06	NO
08/27/2013 5:45 PM	1816436 PENDING	LANL:54-G - WALL2W - 000049	NO



CONTAINER PROFILE
S850595
T-TTRU-TEMP

WS ID: 37017
C ID: 766258
Opt ID: 020221
ACTIVE

TASK HISTORY

Date/Time	Task ID/Status	Task Name/Storage or Disposal Grid Location	Reject
09/10/2013 10:13 AM	1817494 EXECUTED	LANL:54-G: » 54-G:000049 COLUMN 092 - READY TO SHIP:LAYER 01:ROW 06	NO
09/26/2013 1:20 PM	1816780 EXECUTED	LANL:54-G: » 54-G:000049 COLUMN 092 - READY TO SHIP:LAYER 01:ROW 06	NO

DOCUMENTATION

Doc. Number	Title	Uploaded By
1	S850595-TWSR	WCATS APPLICATION (000000)
2	S850595	RANDY P LUCERO (140841)

COMMENTS

Date Time/ User Name	Comment
08/23/2013 9:37 AM WCATS APPLICATION (000000)	90ML LINED STEEL DRUM
08/23/2013 10:51 PM WCATS APPLICATION (000000)	[UNIT] HENC 1; [DATE] 06/20/2013; [CONTAINER ID] S850595; [CERT / FAST] Certified; [PASS / FAIL] Pass; [COMMENT] Re-run/ <MDC;

EDIT LOG

Date Time/ User Name	Quality Record	Explanation
09/26/2013 10:33 AM CLARE E BENA (216298)	NO	Edit Container Authorization; Looking for [P=457002, C=766258]; Found [P=457002, W=53, U=340, B=3, G=54-O-NDA]; Reason for Edit: revise radioassay data
09/26/2013 10:25 AM RANDY P LUCERO (140841)	NO	Edit Container Authorization; Looking for [P=113109, C=766258]; Found [P=113109, W=53, U=340, B=3, G=54-O-NDA]; Reason for Edit: upload flat file.
08/23/2013 9:45 PM WCATS APPLICATION (000000)	NO	TRUP.PKG_VENT TABLE (WASTEDB): [VENT_ID] = 41278, [FILTER_TYPE_CD] = , [INNER_OUTER] = , [PKG_ID] = S850595, [REMOVED] = , [SERIAL_NO] = CJ285, [SOURCE] = , [UPD_WHEN] = 2010-01-28 11:26:39, [UPD_WHO] = 114644, [VENT_CD] = , [VENT_DATE] = 2009-06-09 00:00:00
08/23/2013 9:45 PM WCATS APPLICATION (000000)	NO	TRUP.PKG_VENT TABLE (WASTEDB): [VENT_ID] = 7452, [FILTER_TYPE_CD] = CC, [INNER_OUTER] = I, [PKG_ID] = S850595, [REMOVED] = , [SERIAL_NO] = 01890, [SOURCE] = , [UPD_WHEN] = 2000-03-13 00:00:00, [UPD_WHO] = W117333, [VENT_CD] = VF, [VENT_DATE] = 1999-12-06 10:23:00
08/23/2013 9:45 PM WCATS APPLICATION (000000)	NO	TRUP.TW_PKG TABLE (WASTEDB): [PKG_ID] = S850595, [DIS_CD] = G, [DIS_DT] = , [DRUM_NO] = 020221, [DVS_BURN] = , [DVS_CONDITION] = good, [DVS_DRUM_WT] = 374, [DVS_EXPECT_HI_H2] = , [DVS_H2] = 0, [DVS_LID_CONTAM] = , [DVS_OPERATOR] = Eric Haggard, [DVS_PSIA] = 5.05, [DVS_VENT_DATE] = 1999-12-06 10:23:00, [DVS_VENT_STRIP] = , [RETRIEVE_COMMENTS] = , [RETRIEVE_CONDITION] = , [RETRIEVE_DT] = 1999-11-29 00:00:00, [RETRIEVER_ZNO] = 119175, [SURFACE_DOSE] = 1, [UPD_WHEN] = 2000-03-13 00:00:00, [UPD_WHO] = W117333



CONTAINER PROFILE
S850595
T-TTRU-TEMP

WS ID: 37017
C ID: 766258
Opt ID: 020221
ACTIVE

EDIT LOG

Date Time/ User Name	Quality Record	Explanation
08/23/2013 9:45 PM WCATS APPLICATION (000000)	NO	TRUP.TRUPKG TABLE (WASTEDB): [PKG_ID] = S850595, [ALPHA_CONT] = , [APPROVE_BY] = , [APPROVE_DATE] = , [BETA_GAMMA_CONT] = , [BLDG_CD] = 50-00001, [BX_SERIAL] = , [CERT_STATUS] = , [COLOR_CD] = , [COMMENTS] = 90ML LINED STEEL DRUM, [CONTENT_CODE] = , [CONTROL] = , [DATE_CLOSED] = , [GAMMA_DOSE] = , [GROSS_WT] = 471.429, [GRP] = HSE7, [NEUTRON_DOSE] = , [NORMAL] = , [OLDDRUMNUM] = 020221, [PKG_CD_DESC] = STEEL DRUM (55 GAL), [PKG_DATE] = 1985-08-20 00:00:00, [PKG_FISS_GRAMS] = -1, [PKG_LOT] = , [PKG_PE_ACT] = -1, [PKG_TARE_WT] = 60, [PKG_VOLUME] = .208, [PROC_BTCH_CD] = , [PROG_CODE] = , [ROOM] = 116B, [SAMPLE_ID] = , [THERMAL] = .000746334197855220483725168069829313673, [TOTAL_DOSE] = 4, [TOT_ANCG] = 122.717207519260249115257433674423821129, [TRUCON_CD] = , [WASTE_CD] = 75, [WPRF_CD] = , [YR_MFG] = , [WASTE_TYPE] = S3120, [INSP_DATE] = , [AUA_VUA] = , [PROCESS_ID] = , [WGEN_CD] = , [DOT_TYPE] = , [BIR_ID] = LAM003, [RQ] = , [LSA_SCO_CD] = , [LSA] = , [A_START_DATE] = , [BIR_WS] = LA-M8, [LA_WS] = TA-50-19, [SWBOP] = , [RETRIEVABLE] = , [OFFSITE] = , [LINER_CD] = , [NET_WT] = 411.429, [SHIP_CD] = , [WASTE_STREAM] = LA-MIN03-NC.001, [OVERPACK] = N, [REPACKED] = , [INVENTORY_NO] = , [INVENTORY_DT] = , [CHCD_CC_CD] = , [CHCD_CA_CD] = , [CHCD_WP_CD] = , [DOT_DP] = , [WASTE_VERIF] = , [VERIF_COMPLETE] = , [HDL_CD] = S01, [UPD_WHEN] = 2004-06-30 11:55:55, [UPD_WHO] = 114644, [PHY_STATE] = S, [PKG_H3_ACT] = 0, [QTW] = N, [AK_REPORT] = CCP-AK-LANL-004, [STP] = 2
08/23/2013 12:33 PM WCATS APPLICATION (000000)	NO	TRUP.UPD_HISTORY TABLE: [UPD_ID]= 12462, [AUTH_BY]= 113199 -> CHRISTENSEN DAVIS V , [AUTH_NUM]= SR318, [PKG_ID]= S850595, [UPD_WHEN]= 03-26-1996, [UPD_WHO]= Z111142 -> LONGLEY JOHN M , [WHAT]= tgrams, tcuries, fiss_grams, thermal, pkg_pe_act, pkg_fiss_grams, [WHY]= Correct errors
08/23/2013 8:47 AM WCATS APPLICATION (000000)	NO	INITWORKPATH (C_ID=766258/PATH_ID=465): SKIPPED (NO WORKPATH UNITS)

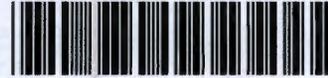


CONTAINER PROFILE
S800409
T-TTRU-TEMP

WS ID: 37017
C ID: 759112
Opt ID: 005528
ACTIVE

GENERAL INFORMATION

Container ID: 759112
Labeled ID: S800409
Optional ID: 005528
Chemical Barcode:
Physical State: SOLID
Waste Stream ID: 37017
Work Path: T-TTRU-TEMP
Quantity (Univ):
Compactible:



Status: ACTIVE
Decommissioned: NO
Container Type: DM: Metal drums, barrels, kegs
Container Subtype: 55-gallon steel drum
Origin Date: 14-Feb-1980 12:00 am
Accum Start Date: 14-Feb-1980
Closed Date:

Discard Matrix:

TID(s):

Gen Contact:

Insert By: WCATS APPLICATION (000000)

Waste Desc: GENERATED AT 50-00001

WEIGHTS AND VOLUMES

Container Volume: 0.21 CM **Gross Weight:** 429.98 lb
Waste Volume: NOT SPECIFIED **Tare Weight:** 60.00 lb
Net Weight: 369.98 lb

LOCATION

Pickup (Origin): LANL: 50: 000001: 116B
Current: LANL: 54-G: 000049: C098R: L01: R04



CONTAINER PROFILE
S800409
T-TTRU-TEMP

WS ID: 37017
C ID: 759112
Opt ID: 005528
ACTIVE

PAYLOAD INFORMATION

Container Procurement

P.O. Number: _____ **Year of Manuf:** _____
Lot No.: _____ **Serial No:** _____

Solution Package: 76: AG Governors Goal Miscellaneous Solids
TRUCON Code: _____
Shipping Category: _____
CCP AK Report: CCP-AK-LANL-004: LANL TA-50 Mixed Transuranic Waste
WIPP Waste Stream: TA-50-19: VACUUM FILTER CAKE
Matrix Code: S3120 - HOMOGENEOUS SOLIDS: INORGANIC HOMOGENEOUS SOLIDS: INORGANIC SLUDGES
Defense Waste: _____ **Equiv. Comb. Matrix:** Non-combustible/Non-dispersible
Adeq. Ventilation: YES **Compliant Metal Cont.:** YES
Overpack (1 to 1): NO **Retrievable:** _____ **BIR WS Code:** LA-M8
Content Code: _____

COST CODES

Cost Center	Prog Code	Cost Account	Work Package	Percent Allocation	Cost Center Status	Cost Code Status	Recharge Mode
SELECTION LIST							

EPA CODES

System Code	Hazardous Waste No.	Waste Description & Treatment Subcategory
D007A	D007	Chromium
D008A	D008	Lead
D009B	D009	Mercury: Nonwastewaters that exhibit toxicity for Hg based on TCLP; and contain >= 260 mg/kg total Hg that contain ORGANICS and are NOT incinerator residues
F001H	F001	Spent halogenated solvents used in degreasing: Unspecified

FILTERS

Manufacturer	Model	Style	Diffusivity*	Serial Number	Torque Ft-lbs	Mfg Date Mon/Year
Not Specified	NA	Scintered Metal	0	02411		0/0

* Diffusivity is specified in moles per second per mole fraction



CONTAINER PROFILE
S800409
T-TTRU-TEMP

WS ID: 37017
C ID: 759112
Opt ID: 005528
ACTIVE

RADIONUCLIDES

Nuclide	Amount	Unit	Uncert	MT Derived (Y/N)	Activated (Y/N)	MDA Result (Y/N)	Normal Form (Y/N)	Measurement Code/Comment
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Status: Inactive, Assay Page: 356322, Date: 02/14/1980, Derivation: Generator Entered Results (e.g., Offsite Assay)

Am-241	7.08E-002	Ci	0.00E+000	N			Y	
Pu-238	1.62E-003	Ci	0.00E+000	N			Y	
Pu-239	8.11E-003	Ci	0.00E+000	N			Y	

Status: Active, Assay Page: 387802, Date: 06/13/2013, Derivation: Non-Destructive Assay (NDA)

Am-241	3.73E-002	Ci	1.02E-002	N			Y	
Cs-137	6.82E-006	Ci	1.48E-006	N			Y	
Np-237	0.00E+000	Ci	0.00E+000	N			Y	
Pu-239	8.54E-003	Ci	2.68E-003	N			Y	
Pu-241	0.00E+000	Ci	0.00E+000	N			Y	
Sr-90	6.82E-006	Ci	1.48E-006	N			Y	
U-235	0.00E+000	Ci	0.00E+000	N			Y	

RAD CALCULATIONS

Total Activity (nCi/g):	2.73235E+02	DOT Fissile Mat (g):	1.37578E-01
Alpha (nCi/g):	2.73153E+02	Transport Index:	
TRU Alpha (nCi/g):	2.73153E+02	NRC Class:	GTCC
Pu-239 FGE [2U]:	2.24131E-01	DOT Type:	B
Pu-239 Eq-Ci:	4.65714E-02	LSA-I Fraction:	3.36895E+02 N
Pu-239 Eq-Ci [2U]:	6.80509E-02	LSA-II Fraction:	1.01067E-01 Y
TRU Pu-239 Eq-Ci:	4.65714E-02	LSA-III Fraction:	5.05334E-03 Y
TRU Pu-239 Eq-Ci [2U]:	6.80509E-02	Reportable Quantity:	4.58408E+00 Y
Decay Heat [U] (W):	1.88297E-03	* ALC Ratio:	1.69658E+05 NE
Tritium (Ci/m3):	0.00000E+00	* ACM Ratio:	1.01068E+04 NE
TRU ECW PE-Ci:	2.51485E-04	Limited Quantity:	1.69608E+03 N

Weight/Volume Used:

1 Container Net Weight: 1.67818E+02 kg
 2 Container Volume: 2.08000E-01 m3

*ALC (Activity Limit for Exempt Consignment)
 *ACM (Activity Concentration for Exempt Material)
 U = 1 Uncertainty, 2U = 2 Uncertainty



CONTAINER PROFILE
S800409
T-TTRU-TEMP

WS ID: 37017
C ID: 759112
Opt ID: 005528
ACTIVE

TASK HISTORY

Date/ Time	Task ID/ Status	Task Name/ Storage or Disposal Grid Location	Reject
02/15/1980 12:00 AM	1143905 EXECUTED	LANL:50 » 54-G:PAD01 POST 06:POST 07:LAYER 03:POSITION EAST	NO
10/14/1998 12:00 AM	1147575 EXECUTED	LANL:54-G » 54-G:000229 COLUMN 007:LAYER 03:ROW 11	NO
03/25/2004 12:00 AM	1147576 EXECUTED	LANL:54-G » 54-G:000229 COLUMN 105:NOT SPECIFIED:NOT SPECIFIED	NO
06/02/2004 12:00 AM	1147577 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 113:NOT SPECIFIED:NOT SPECIFIED	NO
08/23/2004 9:02 AM	1147578 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 113:NOT SPECIFIED:NOT SPECIFIED	NO
04/30/2005 2:28 PM	1147579 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 113:LAYER 01:ROW 01	NO
06/26/2005 9:39 AM	1147580 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 113:NOT SPECIFIED:NOT SPECIFIED	NO
10/30/2005 4:17 PM	1147581 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 124:NOT SPECIFIED:NOT SPECIFIED	NO
11/08/2005 8:52 AM	1147582 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 223:NOT SPECIFIED:NOT SPECIFIED	NO
07/01/2006 11:57 AM	1147583 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 063:LAYER 01:ROW 08	NO
10/02/2006 1:50 PM	1147584 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 083:LAYER 01:ROW 08	NO
11/29/2006 2:13 PM	1147585 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 075:LAYER 02:ROW 05	NO
12/05/2006 2:12 PM	1147586 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 075:LAYER 02:ROW 08	NO
12/21/2006 2:06 PM	1147587 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 025:LAYER 02:ROW 08	NO
01/24/2007 10:03 AM	1147588 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 021:LAYER 02:ROW 02	NO
02/21/2007 4:02 PM	1147589 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 001:LAYER 02:ROW 04	NO
05/21/2007 11:42 AM	1147590 EXECUTED	LANL:54-G » 54-G:000048 DOME 48 STAGING	NO
05/22/2007 10:44 AM	1147591 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 077:LAYER 01:ROW 02	NO
06/05/2007 3:54 PM	1147592 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 079:LAYER 01:ROW 02	NO
06/05/2007 4:01 PM	1147593 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 077:LAYER 01:ROW 02	NO
01/21/2008 9:36 AM	1147594 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 069:LAYER 02:ROW 02	NO



CONTAINER PROFILE
S800409
T-TTRU-TEMP

WS ID: 37017
C ID: 759112
Opt ID: 005528
ACTIVE

TASK HISTORY

Date/Time	Task ID/Status	Task Name/Storage or Disposal Grid Location	Reject
04/15/2008 9:21 AM	1147595 EXECUTED	LANL:54-G » 54-G:000231 COLUMN 017:LAYER 03:ROW 08	NO
04/15/2008 4:27 PM	1147596 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 069:LAYER 02:ROW 02	NO
09/04/2008 9:15 AM	1147597 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 069:LAYER 01:ROW 02	NO
05/19/2009 10:20 AM	1147598 EXECUTED	LANL:54-G » 54-G:000231 STAGING	NO
05/21/2009 1:26 PM	1148243 EXECUTED	LANL:54-G » 54-G:RTR-2	NO
06/11/2009 3:13 PM	1148244 EXECUTED	LANL:54-G » 54-G:000048-P10	NO
07/22/2009 4:57 PM	1148245 EXECUTED	LANL:54-G » 54-G:HENC-1	NO
08/03/2009 1:38 PM	1148246 EXECUTED	LANL:54-G » 54-G:000048 DOME 48 STAGING	NO
10/06/2009 2:18 PM	1148247 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 053:LAYER 01:ROW 06	NO
10/19/2009 1:49 PM	1148248 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 044:LAYER 01:ROW 06	NO
10/26/2009 9:35 AM	1148249 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 033:LAYER 01:ROW 04	NO
12/01/2009 2:46 PM	1148250 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 037:LAYER 01:ROW 10	NO
01/26/2010 3:28 PM	1148251 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 033:LAYER 02:ROW 08	NO
06/03/2010 9:39 AM	1148252 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 029:LAYER 03:ROW 02	NO
06/17/2010 9:22 AM	1148253 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 029:LAYER 03:ROW 04	NO
06/29/2010 9:29 AM	1148254 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 029:LAYER 02:ROW 02	NO
10/25/2010 2:48 PM	1148255 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 031:LAYER 02:ROW 02	NO
02/14/2011 8:43 AM	1148256 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 027:LAYER 02:ROW 02	NO
07/14/2011 3:06 PM	1148257 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 027:LAYER 03:ROW 04	NO
09/21/2011 2:47 PM	1148258 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 027:LAYER 02:ROW 02	NO
10/19/2011 11:29 AM	1148259 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 044:LAYER 02:ROW 08	NO



CONTAINER PROFILE
S800409
T-TTRU-TEMP

WS ID: 37017
C ID: 759112
Opt ID: 005528
ACTIVE

TASK HISTORY

Date/ Time	Task ID/ Status	Task Name/ Storage or Disposal Grid Location	Reject
11/10/2011 11:48 AM	1148260 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 045:LAYER 02:ROW 04	NO
01/24/2012 10:22 AM	1148261 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 048:LAYER 02:ROW 06	NO
02/10/2012 10:20 AM	1148262 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 052:LAYER 01:ROW 06	NO
02/25/2012 10:05 AM	1148263 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 041:LAYER 02:ROW 08	NO
02/29/2012 2:58 PM	1148264 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 045:LAYER 01:ROW 08	NO
03/18/2012 1:53 PM	1148265 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 062:LAYER 01:ROW 04	NO
03/22/2012 9:23 AM	1148266 EXECUTED	LANL:54-G » 54-G:000048 DOME 48 STAGING	NO
04/28/2012 9:32 AM	1148267 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 062:LAYER 01:ROW 04	NO
06/19/2012 4:40 PM	1148268 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 064:LAYER 01:ROW 04	NO
08/28/2012 1:47 PM	1148269 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 062:LAYER 01:ROW 04	NO
11/13/2012 1:50 PM	1148270 EXECUTED	LANL:54-G » 54-G:000048 DOME 48 STAGING	NO
11/15/2012 10:20 AM	1148271 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 045:LAYER 01:ROW 06	NO
11/29/2012 2:57 PM	1148272 EXECUTED	LANL:54-G » 54-G:000048 DOME 48 STAGING	NO
11/30/2012 9:35 AM	1148273 EXECUTED	LANL:54-G » 54-G:RTR-2	NO
11/30/2012 2:31 PM	1148274 EXECUTED	LANL:54-G » 54-G:000048 DOME 48 STAGING	NO
11/30/2012 3:15 PM	1148275 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 046:LAYER 01:ROW 06	NO
02/09/2013 11:26 AM	1148276 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 046:LAYER 01:ROW 04	NO
03/08/2013 10:17 AM	1148277 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 066:LAYER 02:ROW 02	NO
04/03/2013 2:41 PM	1148278 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 062:LAYER 01:ROW 06	NO
04/12/2013 11:08 AM	1148279 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 038:LAYER 01:ROW 04	NO
05/01/2013 10:01 AM	1148280 EXECUTED	LANL:54-G » 54-G:000048 COLUMN 034:LAYER 02:ROW 02	NO



CONTAINER PROFILE
S800409
T-TTRU-TEMP

WS ID: 37017
C ID: 759112
Opt ID: 005528
ACTIVE

TASK HISTORY

Date/Time	Task ID/Status	Task Name/Storage or Disposal Grid Location	Reject
06/13/2013 10:42 AM	1148281 EXECUTED	LANL:54-G » 54-G:HENC-1	NO
06/17/2013 9:22 AM	1148282 EXECUTED	LANL:54-G » 54-G:000232 STAGING	NO
07/23/2013 2:30 PM	1148283 EXECUTED	LANL:54-G » 54-G:000049 DOME 49 STAGING	NO
07/31/2013 9:26 AM	1148284 EXECUTED	LANL:54-G » 54-G:000049 COLUMN 100 - READY TO SHIP:LAYER 01:ROW 08	NO
08/12/2013 3:11 PM	1148285 EXECUTED	LANL:54-G » 54-G:000049 COLUMN 100 - READY TO SHIP:LAYER 01:ROW 07	NO
08/19/2013 9:46 AM	1148286 EXECUTED	LANL:54-G » 54-G:000049 COLUMN 100 - READY TO SHIP:LAYER 01:ROW 08	NO
08/27/2013 8:57 AM	1817286 EXECUTED	LANL:54-G: » 54-G:000049 COLUMN 098 - READY TO SHIP:LAYER 01:ROW 08	NO
08/27/2013 2:54 PM	1816091 EXECUTED	LANL:54-G: » 54-G:000049 COLUMN 098 - READY TO SHIP:LAYER 01:ROW 08	NO
08/27/2013 5:45 PM	1816436 PENDING	LANL:54-G - WALL2W - 000049	NO
09/10/2013 10:13 AM	1817494 EXECUTED	LANL:54-G: » 54-G:000049 COLUMN 098 - READY TO SHIP:LAYER 01:ROW 04	NO
09/26/2013 1:20 PM	1816780 EXECUTED	LANL:54-G: » 54-G:000049 COLUMN 098 - READY TO SHIP:LAYER 01:ROW 04	NO

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DOCUMENTATION

Doc. Number	Title	Uploaded By
1	S800409-TWSR	WCATS APPLICATION (000000)

COMMENTS

Date Time/ User Name	Comment
08/23/2013 9:37 AM WCATS APPLICATION (000000)	90ML LINED STEEL DRUM

EDIT LOG

Date Time/ User Name	Quality Record	Explanation
08/23/2013 9:44 PM WCATS APPLICATION (000000)	NO	TRUP.PKG_VENT TABLE (WASTEDB): [VENT_ID] = 9601, [FILTER_TYPE_CD] = SM, [INNER_OUTER] = , [PKG_ID] = S800409, [REMOVED] = , [SERIAL_NO] = 02411, [SOURCE] = , [UPD_WHEN] = 2000-09-01 00:00:00, [UPD_WHO] = W116406, [VENT_CD] = , [VENT_DATE] =
08/23/2013 9:44 PM WCATS APPLICATION (000000)	NO	TRUP.TW_INIT TABLE (WASTEDB): [DRUM_NO] = 005528, [DUP] = , [ENTRY_SEQ] = 6019, [PACKING_CD] = G, [PKG_ID] = S800409, [RETRIEVER] = 098366, [RETRIEVE_COMMENTS] = inserted from table TW_INIT, 7/27/2000 by z077615, [RETRIEVE_CONDITION] = , [RETRIEVE_DT] = 1998-07-13 00:00:00, [SURFACE_DOSE] = 0, [UPD_WHEN] = 1998-07-22 00:00:00, [UPD_WHO] = Z111491, [VENT] = , [RANT] = , [ID] = 4177



CONTAINER PROFILE
S800409
T-TTRU-TEMP

WS ID: 37017
C ID: 759112
Opt ID: 005528
ACTIVE

EDIT LOG

Date Time/ User Name	Quality Record	Explanation
08/23/2013 9:44 PM WCATS APPLICATION (000000)	NO	TRUP.TRUPKG TABLE (WASTEDB): [PKG_ID] = S800409, [ALPHA_CONT] = , [APPROVE_BY] = , [APPROVE_DATE] = , [BETA_GAMMA_CONT] = , [BLDG_CD] = 50-00001, [BX_SERIAL] = , [CERT_STATUS] = , [COLOR_CD] = , [COMMENTS] = 90ML LINED STEEL DRUM, [CONTENT_CODE] = , [CONTROL] = , [DATE_CLOSED] = , [GAMMA_DOSE] = , [GROSS_WT] = 429.975, [GRP] = H7, [NEUTRON_DOSE] = , [NORMAL] = , [OLDDRUMNUM] = 005528, [OLDVOL_UNIT] = G, [OLDWT_UNIT] = K, [ORG_VOL] = , [ORG_WT] = , [PKG_CD] = 01, [PKG_CD_DESC] = STEEL DRUM (55 GAL), [PKG_DATE] = 1980-02-15 00:00:00, [PKG_FISS_GRAMS] = .136, [PKG_LOT] = , [PKG_PE_ACT] = .0458, [PKG_TARE_WT] = 60, [PKG_VOLUME] = .208, [PROC_BTCH_CD] = , [PROG_CODE] = , [ROOM] = 116B, [SAMPLE_ID] = , [THERMAL] = .002672186105774072902821088807348847505, [TOTAL_DOSE] = 1, [TOT_ANCG] = 479.911114618970616757549400534327374311, [TRUCON_CD] = , [WASTE_CD] = 75, [WPRF_CD] = , [YR_MFG] = , [WASTE_TYPE] = S3120, [INSP_DATE] = , [AUA_VUA] = , [PROCESS_ID] = , [WGEN_CD] = , [DOT_TYPE] = B, [BIR_ID] = LAM009, [RQ] = Y, [LSA_SCO_CD] = , [LSA] = ? , [A_START_DATE] = , [BIR_WS] = LA-M8, [LA_WS] = TA-50-19, [SWBOP] = , [RETRIEVABLE] = , [OFFSITE] = , [LINER_CD] = , [NET_WT] = 369.975, [SHIP_CD] = , [WASTE_STREAM] = LA-MIN03-NC.001, [OVERPACK] = N, [REPACKED] = , [INVENTORY_NO] = 3, [INVENTORY_DT] = 1999-09-29 00:00:00, [CHCD_CC_CD] = , [CHCD_CA_CD] = , [CHCD_WP_CD] = , [DOT_DP] = , [WASTE_VERIF] = , [VERIF_COMPLETE] = , [HDL_CD] = S01, [UPD_WHEN] = 2004-06-30 11:56:37, [UPD_WHO] = 114644, [PHY_STATE] = S, [PKG_H3_ACT] = 0, [QTW] = N, [AK_REPORT] = CCP-AK-LANL-004, [STP] = 2
08/23/2013 9:44 PM WCATS APPLICATION (000000)	NO	TRUP.TW_PKG TABLE (WASTEDB): [PKG_ID] = S800409, [DIS_CD] = , [DIS_DT] = , [DRUM_NO] = 005528, [DVS_BURN] = , [DVS_CONDITION] = Good, [DVS_DRUM_WT] = 400, [DVS_EXPECT_HI_H2] = , [DVS_H2] = 0, [DVS_LID_CONTAM] = , [DVS_OPERATOR] = Dino Martinez, [DVS_PSIA] = .16, [DVS_VENT_DATE] = 1998-08-25 11:08:00, [DVS_VENT_STRIP] = , [RETRIEVE_COMMENTS] = inserted from table TW_INIT, 7/27/2000 by z077615, [RETRIEVE_CONDITION] = , [RETRIEVE_DT] = 1998-07-13 00:00:00, [RETRIEVER_ZNO] = 098366, [SURFACE_DOSE] = 0, [UPD_WHEN] = 2000-09-01 00:00:00, [UPD_WHO] = W116406
08/23/2013 12:33 PM WCATS APPLICATION (000000)	NO	TRUP.UPD_HISTORY TABLE: [UPD_ID]= 18772, [AUTH_BY]= 113199 -> CHRISTENSEN DAVIS V , [AUTH_NUM]= SR318, [PKG_ID]= S800409, [UPD_WHEN]= 03-26-1996, [UPD_WHO]= Z111142 -> LONGLEY JOHN M , [WHAT]= tgrams, tcuries, fiss_grams, thermal, pkg_pe_act, pkg_fiss_grams, [WHY]= Correct errors
08/23/2013 12:32 PM WCATS APPLICATION (000000)	NO	TRUP.UPD_HISTORY TABLE: [UPD_ID]= 31307, [AUTH_BY]= 120424 -> LASH TAMMY A , [AUTH_NUM]= , [PKG_ID]= S800409, [UPD_WHEN]= 06-16-1997, [UPD_WHO]= Z120424 -> LASH TAMMY A , [WHAT]= UPDATED, WAS AM241 2.1855E-2, PU238 9.3160E-5, PU239 1.3205E-1,M, [WHY]= AS PER MICROFICHE PRINT OUT
08/23/2013 8:46 AM WCATS APPLICATION (000000)	NO	INITWORKPATH (C_ID=759112/PATH_ID=465): SKIPPED (NO WORKPATH UNITS)



CONTAINER PROFILE
66147
T-TRU-TEMP

WS ID: 23358
C ID: 787172
ACTIVE

GENERAL INFORMATION

Container ID:	787172	
Labeled ID:	66147	
Optional ID:		Status: ACTIVE
Chemical Barcode:		Decommissioned: NO
Physical State:	SOLID	Container Type: CM: Metal boxes, cartons, cases (including roll-
Waste Stream ID:	23358	Container Subtype: Standard waste box
Work Path:	T-TRU-TEMP	Origin Date: 13-Sep-2011 12:00 am
Quantity (Univ):		Accum Start Date: 13-Sep-2011
Compactible:		Closed Date: 13-Sep-2011

Discard Matrix:

TID(s):

Gen Contact: MICHAEL L POPE (195161)

Insert By: WCATS APPLICATION (000000)

Waste Desc: SOIL FROM MDA-B ENCLOSURE #2

WEIGHTS AND VOLUMES

Container Volume:	1.90 CM	Gross Weight:	3680.00 lb
Waste Volume:	NOT SPECIFIED	Tare Weight:	635.00 lb
		Net Weight:	3040.00 lb

LOCATION

Pickup (Origin): LANL: 21: GEN-AREAS

Current: LANL: 54-G: 000232: C007: L02: R01



CONTAINER PROFILE
66147
T-TRU-TEMP

WS ID: 23358
C ID: 787172
ACTIVE

RADIONUCLIDES

Nuclide	Amount	Unit	Uncert	MT Derived (Y/N)	Activated (Y/N)	MDA Result (Y/N)	Normal Form (Y/N)	Measurement Code/Comment
<i>Status: Active, Assay Page: 376359, Date: 09/13/2011, Derivation: Generator Entered Results (e.g., Offsite Assay)</i>								
Am-241	1.39E-002	Ci	2.75E-002	N			Y	
Cs-137	7.50E-003	Ci	0.00E+000	N			Y	
H-3	1.16E-006	Ci	0.00E+000	N			Y	
Pu-238	3.05E-003	Ci	0.00E+000	N			Y	
Pu-239	5.78E-001	Ci	6.63E-001	N			Y	
Sr-90	1.11E-003	Ci	0.00E+000	N			Y	
U-234	1.17E-004	Ci	0.00E+000	N			Y	
U-235	5.34E-006	Ci	6.77E-006	N			Y	
U-238	2.53E-005	Ci	5.33E-005	N			Y	

RAD CALCULATIONS

Total Activity (nCi/g):	4.37812E+02	DOT Fissile Mat (g):	1.17814E+01
Alpha (nCi/g):	4.31568E+02	Transport Index:	
TRU Alpha (nCi/g):	4.31461E+02	NRC Class:	GTCC
Pu-239 FGE [2U]:	3.26377E+01	DOT Type:	B
Pu-239 Eq-Ci:	5.94964E-01	LSA-I Fraction:	5.32829E+02 N
Pu-239 Eq-Ci [2U]:	1.92215E+00	LSA-II Fraction:	1.59650E-01 Y
TRU Pu-239 Eq-Ci:	5.94924E-01	LSA-III Fraction:	7.98250E-03 Y
TRU Pu-239 Eq-Ci [2U]:	1.92211E+00	Reportable Quantity:	5.95151E+01 Y
Decay Heat [U] (W):	3.95913E-02	* ALC Ratio:	2.23372E+06 NE
Tritium (Ci/m3):	6.10526E-07	* ACM Ratio:	1.59849E+04 NE
TRU ECW PE-Ci:	5.94924E-01	Limited Quantity:	2.20145E+04 N

Weight/Volume Used:

1 Container Net Weight: 1.37892E+03 kg
 2 Container Volume: 1.90000E+00 m3

*ALC (Activity Limit for Exempt Consignment)
 *ACM (Activity Concentration for Exempt Material)
 U = 1 Uncertainty, 2U = 2 Uncertainty



CONTAINER PROFILE
66147
T-TRU-TEMP

WS ID: 23358
C ID: 787172
ACTIVE

DOT SHIPPING DESC

Status/ Manifest IDs	DOT Shipping Description
ACTIVE 92949	UN3321, RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-II) FISSILE-EXCEPTED, 7, Solid, ELEMENTAL, AM241, CS137, H3, PU238, PU239, SR90, U234, U235, U238, 2.234E-02 TBq, T.I.=0.4, RADIOACTIVE YELLOW II

TASK HISTORY

Date/ Time	Task ID/ Status	Task Name/ Storage or Disposal Grid Location	Reject
09/14/2011 12:00 AM	1815919 EXECUTED	LANL:21 - CONPREP	NO
09/14/2011 1:56 PM	964599 EXECUTED	LANL:21 » 54-G:RECV-TRU	NO
09/15/2011 8:02 AM	964600 EXECUTED	LANL:54-G » 54-G:000232 STAGING	NO
11/17/2011 2:07 PM	964601 EXECUTED	LANL:54-G » 54-G:000232 COLUMN 007:LAYER 01:ROW 02	NO
12/21/2011 2:14 PM	964602 EXECUTED	LANL:54-G » 54-G:000232 COLUMN 005:LAYER 01:ROW 02	NO
01/05/2012 2:16 PM	964603 EXECUTED	LANL:54-G » 54-G:000232 COLUMN 003:LAYER 01:ROW 02	NO
01/29/2012 2:00 PM	964604 EXECUTED	LANL:54-G » 54-G:000232 COLUMN 007:LAYER 01:ROW 02	NO
04/28/2012 10:15 AM	964605 EXECUTED	LANL:54-G » 54-G:000232 COLUMN 035:LAYER 02:ROW 01	NO
05/02/2012 4:39 PM	964606 EXECUTED	LANL:54-G » 54-G:000232 COLUMN 033:LAYER 01:ROW 02	NO
06/20/2012 3:50 PM	964607 EXECUTED	LANL:54-G » 54-G:000232 COLUMN 003:LAYER 01:ROW 03	NO
07/06/2012 3:12 PM	964608 EXECUTED	LANL:54-G » 54-G:000232 COLUMN 003:LAYER 02:ROW 02	NO
09/19/2012 2:10 PM	964609 EXECUTED	LANL:54-G » 54-G:000232 COLUMN 005:LAYER 01:ROW 01	NO
10/10/2012 9:26 AM	964610 EXECUTED	LANL:54-G » 54-G:RTR-HE	NO
10/10/2012 9:26 AM	964611 EXECUTED	LANL:54-G » 54-G:000232 STAGING	NO
10/12/2012 12:16 PM	964612 EXECUTED	LANL:54-G » 54-G:RTR-HE	NO
10/12/2012 2:14 PM	964613 EXECUTED	LANL:54-G » 54-G:HENC-S	NO
02/08/2013 2:38 PM	964614 EXECUTED	LANL:54-G » 54-G:000232 STAGING	NO
08/28/2013 10:48 AM	1817487 EXECUTED	LANL:54-G: » 54-G:000232 COLUMN 007:LAYER 02:ROW 01	NO



CONTAINER PROFILE
66147
T-TRU-TEMP

WS ID: 23358
C ID: 787172
ACTIVE

EDIT LOG

Date Time/ User Name	Quality Record	Explanation
08/23/2013 9:44 PM WCATS APPLICATION (000000)	NO	TRUP.PKG_DOT TABLE (WASTEDB): [PKG_ID] = 66147, [CHEM_STATE] = ELEMENTAL, [DOT_DESC_CD] = , [DOTHAZ_CD] = 7, [DOTSHIP] = RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-II) FISSILE-EXCEPTED, [DOTUNNA_CD] = UN3321, [ERGNO] = 162, [FISSILE_CLASS] = , [HAZ_SUB] = , [HMTF_NO] = , [LABEL_CAT] = RADIOACTIVE YELLOW II, [LABEL_SEC] = , [OTHERCONID] = , [PLAC_REQ] = , [TRANS_INDEX] = 0.4, [UPD_WHEN] = , [UPD_WHO] = 102337
08/23/2013 9:44 PM WCATS APPLICATION (000000)	NO	TRUP.PKG_VENT TABLE (WASTEDB): [VENT_ID] = 50579, [FILTER_TYPE_CD] = CC, [INNER_OUTER] = , [PKG_ID] = 66147, [REMOVED] = , [SERIAL_NO] = JK-348, [SOURCE] = , [UPD_WHEN] = 2011-09-14 13:56:28, [UPD_WHO] = 114644, [VENT_CD] = , [VENT_DATE] =
08/23/2013 9:44 PM WCATS APPLICATION (000000)	NO	TRUP.PKG_VENT TABLE (WASTEDB): [VENT_ID] = 50578, [FILTER_TYPE_CD] = CC, [INNER_OUTER] = , [PKG_ID] = 66147, [REMOVED] = , [SERIAL_NO] = EK-1304, [SOURCE] = , [UPD_WHEN] = 2011-09-14 13:56:28, [UPD_WHO] = 114644, [VENT_CD] = , [VENT_DATE] =
08/23/2013 9:44 PM WCATS APPLICATION (000000)	NO	TRUP.TRUPKG TABLE (WASTEDB): [PKG_ID] = 66147, [ALPHA_CONT] = 12, [APPROVE_BY] = 120424, [APPROVE_DATE] = 2011-09-14 00:00:00, [BETA_GAMMA_CONT] = 7.1, [BLDG_CD] = 21-00000, [BX_SERIAL] = , [CERT_STATUS] = , [COLOR_CD] = , [COMMENTS] = , [CONTENT_CODE] = , [CONTROL] = , [DATE_CLOSED] = 2011-09-13 00:00:00, [GAMMA_DOSE] = .1, [GROSS_WT] = 3680, [GRP] = WESFFS, [NEUTRON_DOSE] = .25, [NORMAL] = , [OLDDRUMNUM] = , [OLDVOL_UNIT] = , [OLDWT_UNIT] = , [ORG_VOL] = , [ORG_WT] = , [PKG_CD] = 02, [PKG_CD_DESC] = STANDARD WASTE BOX, [PKG_DATE] = 2011-09-15 00:00:00, [PKG_FISS_GRAMS] = 10.7571470326341170723399722435152303236, [PKG_LOT] = UN, [PKG_PE_ACT] = .594923529411764710099346405228779684761, [PKG_TARE_WT] = 635, [PKG_VOLUME] = 1.9, [PROC_BTCH_CD] = , [PROG_CODE] = ARDB, [ROOM] = , [SAMPLE_ID] = , [THERMAL] = .018498353879819589232478552404405425126, [TOTAL_DOSE] = .35, [TOT_ANCG] = 431.560411439324171550941420500043281781, [TRUCON_CD] = LA111B, [WASTE_CD] = , [WPRF_CD] = 50932, [YR_MFG] = 2011, [WASTE_TYPE] = S4200, [INSP_DATE] = 2011-09-14 00:00:00, [AUA_VUA] = , [PROCESS_ID] = , [WGEN_CD] = 195161, [DOT_TYPE] = , [BIR_ID] = LAT003, [RQ] = Y, [LSA_SCO_CD] = , [LSA] = N, [A_START_DATE] = , [BIR_WS] = , [LA_WS] = TA-21-01, [SWBOP] = , [RETRIEVABLE] = , [OFFSITE] = , [LINER_CD] = 01, [NET_WT] = 3040, [SHIP_CD] = 1001300034, [WASTE_STREAM] = LA-MSG04.001, [OVERPACK] = N, [REPACKED] = , [INVENTORY_NO] = , [INVENTORY_DT] = , [CHCD_CC_CD] = 6E000A, [CHCD_CA_CD] = 032R, [CHCD_WP_CD] = LNWO, [DOT_DP] = Y, [WASTE_VERIF] = , [VERIF_COMPLETE] = , [HDL_CD] = , [UPD_WHEN] = 2011-09-14 13:56:28, [UPD_WHO] = 095547, [PHY_STATE] = S, [PKG_H3_ACT] = .00000116, [QTW] = , [AK_REPORT] = CCP-AK-LANL-010, [STP] = 0
08/23/2013 12:32 PM WCATS APPLICATION (000000)	NO	TRUP.UPD_HISTORY TABLE: [UPD_ID]= 39470, [AUTH_BY]= 140892 -> GRIEGO STEPHANIE Q., [AUTH_NUM]= , [PKG_ID]= 66147, [UPD_WHEN]= 10-11-2012, [UPD_WHO]= 095547 -> SANCHEZ EDWINA G., [WHAT]= ADD NEW CONTAINER LOCATION., [WHY]= 10/10/2010 MOVE DID NOT TAKE PLACE. MOVE TO HE-RTR WAS NOT DONE ON 10/10/2012 DUE TO SCANNER ERROR. MOVE WAS TO STAGGING.
08/23/2013 12:25 PM WCATS APPLICATION (000000)	NO	TRUP.TRUPKG: [LINER_CD] = 01 -> NONE
08/23/2013 8:49 AM WCATS APPLICATION (000000)	NO	INITWORKPATH (C_ID=787172/PATH_ID=466): SKIPPED (NO WORKPATH UNITS)

ENCLOSURE 4

Email Communication from Mr. Richard Montoya to Mr.
Leonard Trujillo, Dated May 13, 2013

ADESH-13-052

LAUR-13-27616

Date: October 3, 2013

From: Montoya, Richard D
Sent: Monday, May 13, 2013 1:26 PM
To: Trujillo, Leonard J
Cc: Galle, Lane R; Welsh, Gail M; Crawford, Art
Subject: Drum at RANT with no label

Hello,

Attached are pictures of the drum (# 93052) that was found at RANT by NMED that had no HAZARDOUS waste label. Six pictures were taken and then label was placed showing the appropriate label.

These pictures have been reviewed by Art Crawford.

Rick

ENCLOSURE 5

- 5.1) NUMBERED PHOTOS TAKEN AT THE BONEYARD DURING INSPECTION, PREVIOUSLY PROVIDED IN THE JUNE 18, 2013 RESPONSE
- 5.2) MATERIAL SAFETY DATA SHEET FOR RECTORSEAL NO.5
- 5.3) WASTE PROFILE STREAM ID 24230
- 5.4) WASTE PROFILE FORM 39156
- 5.5) ACCEPTABLE KNOWLEDGE PACKAGE WSP40500
- 5.6) MATERIAL SAFETY DATA SHEET FOR NAPA® EP WHEEL BEARING GREASE

ADESH-13-052

LAUR-13-27676

Date: October 3, 2013

ADESH-13-052

14 (a)

ENCLOSURE 5

LAUR-13-27616

Boneyard photo # 1



ADESH-13-052 14(b)

ENCLOSURE 5

LAUR-13-27616

Boneyard photo #2



ADESH-13-052

14(c)

ENCLOSURE 5

LAUR-13-27616

Boneyard Photo # 3



ADESH-13-052

ENCLOSURE 5

LAUR-13-27616

14(c)

Boneyard photo #4



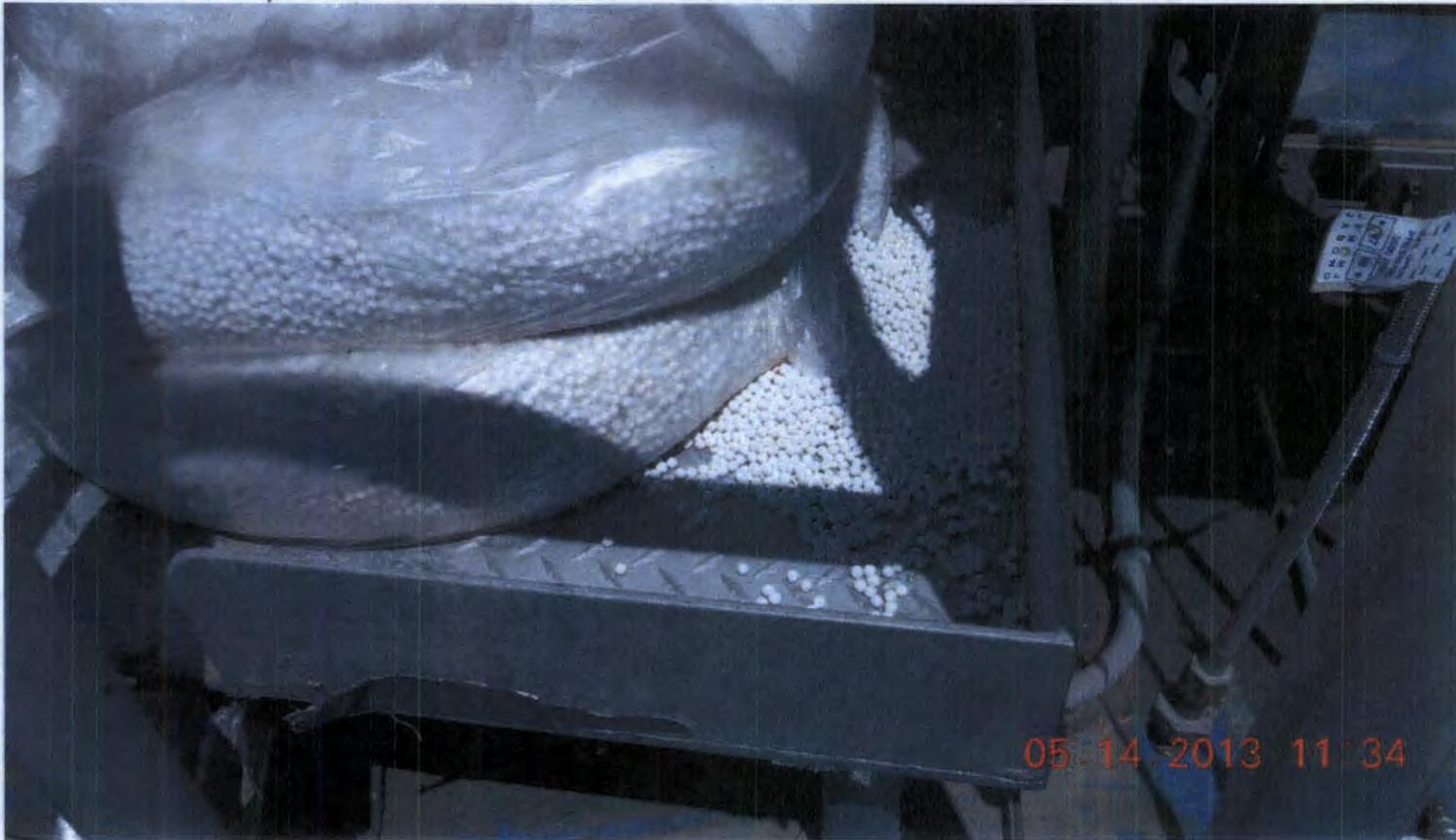
ADESH-13-052

14 (e)

ENCLOSURE 5

LAUR-13-27616

Boneyard photo # 5



ADESH-13-052

14 (f)
Bone yard photo #6.

ENCLOSURE 5

LAUR-13-27616



ADESH-13-052

14(9)

ENCLOSURE 5

LAUR-13-27616

Boneyard photo #7



ADESH-13-052
17 (g)

ENCLOSURE 5

LAUR-13-27616

Boneyard photo # 8



14(h) *Boneyard Photo #9*

ADESH-13

ENCLOSURE 5

LAUR-13-27616



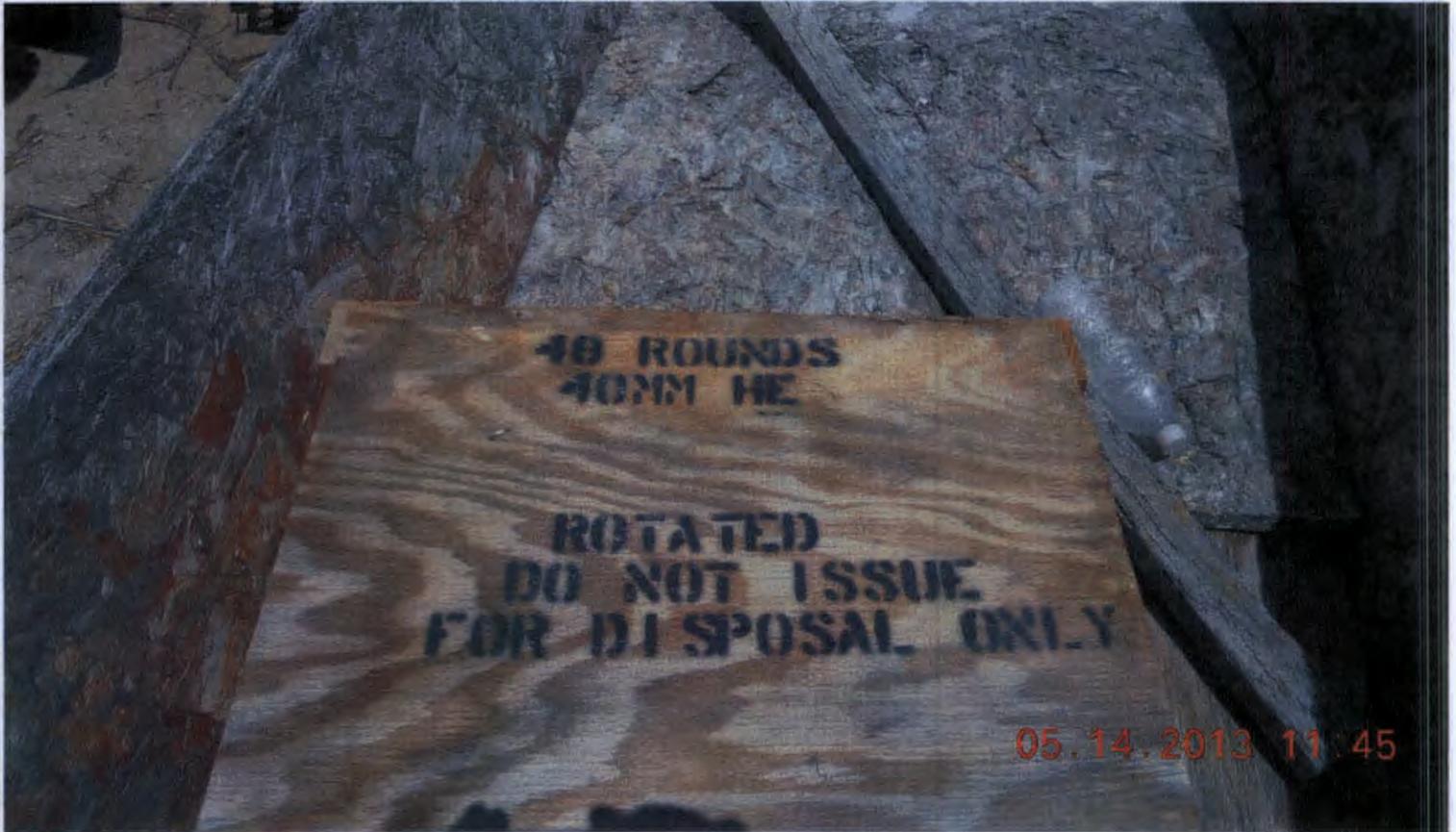
14(h)

ADESH-13-052

ENCLOSURE 5

LAUR-13-27616

Boneyard Photo #10



14(1)
AESH-13-052

ENCLOSURE 5

LAUR-13-27616

Boneyard Photo #11



ADESH-13-052 14(i)

ENCLOSURE 5

LAUR-13-27616

Boneyard photo # 12



ADESH-13-052 14(i)

ENCLOSURE 5

LAUR-13-27616

Boneyard photo # 13



MATERIAL SAFETY DATA SHEET

MSDS 0011.

 =====
 Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

	HMIS CODES	
PRODUCT NAME	Health	1
RectorSeal No. 5	Flammability	2
	Reactivity	0
PRODUCT CODES	PPI	B
25112, 25191, 25271, 25300, 25431, 25551, 25552, 25631, 25633, 25780, 25790, 25793		
CHEMICAL FAMILY		
Organic		
USE		
Pipe Thread Sealant		
MANUFACTURER'S NAME	EMERGENCY TELEPHONE NO.	
The RectorSeal Corporation	Chemtrec 24 Hours	
2601 Spenwick Drive	(800)424-9300 USA	
Houston, Texas 77055 USA	(703)527-3887 International	
DATE OF VALIDATION	TECHNICAL SERVICE TELEPHONE NO.	
January 9, 2013	(800)231-3345 or (713)263-8001	
DATE OF PREPARATION		
January 9, 2013		

 =====
 Section 2 -- HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

OSHA Hazards

Combustable

TARGET ORGANS

Not Classified

GHS CLASSIFICATION

PHYSICAL HAZARDS

Combustable liquid (Category 4)

HEALTH HAZARDS

Acute Toxicity:

Oral: Not Classified

Dermal: Not Classified

Inhalation: Not Classified

Skin Corrosion/Irritation: Not Classified

Serious Eye Damage/Eye Irritation: Not Classified

Skin Sensitization: Not Classified

Respiratory Sensitization: Not Classified

Germ Cell Mutagenicity: Not Classified

Carcinogenicity: See Section 11

Reproductive Toxicology: Not Classified

Target Organ Systemic Toxicity - Single Exposure: Not Classified

Target Organ Systemic Toxicity - Repeated Exposure: Not Classified

Aspiration Toxicity: Not Classified

GHS Label elements, including precautionary statements

Pictogram: Harmful / Irritant

Signal Word: Warning

Hazard Statements

H303 - May be harmful if swallowed.

H313 - May be harmful in contact with skin.

H335 + H336 - May cause respiratory irritation, and drowsiness or dizziness.

Precautionary Statements

P102 - Keep out of reach of children.

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking

P240 - Ground/Bond container and receiving equipment

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

14(a)
Rector seal

P262 - Do not get in eyes, on skin, or on clothing.
P264 - Wash hands thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
P362 - Take off contaminated clothing and wash before reuse.
EUH066 - Repeated exposure may cause skin dryness or cracking
Precautionary Statements - EU No. 1272/2008

SUMMARY OF ACUTE HAZARDS

Irritation to eyes, nose and throat; drowsiness, narcosis, tremors and other CNS effects at high concentration.

ROUTE OF EXPOSURE, SIGNS AND SYMPTOMS**INHALATION**

Nasal and respiratory irritation, dizziness, narcosis, headache, nausea, CNS depression and unconsciousness.

EYE CONTACT

Watering, blurred vision, inflammation and irritation which can result in corneal injury.

SKIN CONTACT

Irritation, dermatitis.

INGESTION

Nausea, vomiting; CNS depression; irritation of gastrointestinal tract, liver and peritoneal wall; lung congestion.

SUMMARY OF CHRONIC HAZARDS

Skin irritation and dermatitis. Possible liver and kidney damage.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Individuals with pre-existing or chronic diseases of the eyes, skin, respiratory system, cardiovascular system, gastrointestinal system, liver or kidneys may have increased susceptibility to excessive exposures.

Section 3 -- COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT: Diacetone Alcohol

PERCENTAGE BY WEIGHT: 20-30

CAS NUMBER: 123-42-2

EC# : 204-626-7

Section 4 -- FIRST AID MEASURES

If INHALED: If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain emergency medical attention. Prompt action is essential.

If on SKIN: Wash with soap and water. If irritation occurs, seek medical attention.

If in EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.

If SWALLOWED: If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

Section 5 -- FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Foam, dry chemical, carbon dioxide or water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus (SCBA) and other protective clothing. Hazardous decomposition products possible (see Section 10).

UNUSUAL FIRE AND EXPLOSION HAZARDS: Combustible - moderate flash point.

Vapors heavier than air and may travel along the ground or to low spots at considerable distances to a source of ignition resulting in potential flashback. Burning liquid may float on water. Heat may build up pressure and rupture containers.

Section 11 -- TOXICOLOGY INFORMATION

CHRONIC HEALTH HAZARDS

No ingredients in this product is an IARC, NTP or OSHA Lister carcinogen.

TOXICOLOGY DATA

Ingredient Name

Diacetone Alcohol

Oral-Rat	LD50:4000 mg/kg
Inhalation-Human	TCLo: 100 ppm

Section 12 -- Ecological Information

ECOLOGICAL DATA

Ingredient Name

Diacetone Alcohol

Food Chain Concentration Potential	N/A
WATERFOWL TOXICITY	N/A
BOD	N/A
AQUATIC TOXICITY	N/A

Section 13 -- DISPOSAL CONSIDERATIONS

Waste Classification: Non-regulated solid waste

Disposal Method: Approved landfill

Waste from this product is not considered hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Dispose of in accordance with Federal, State, and Local regulation regarding pollution.

Section 14 -- TRANSPORTATION INFORMATION

DOT:	Non-Regulated
OCEAN (IMDG):	Non-Regulated
AIR (IATA):	Non-Regulated
WHMIS (CANADA):	Non-Regulated

Section 15 -- REGULATORY INFORMATION

REGULATORY DATA

Ingredient Name

Diacetone Alcohol

SARA 313	N/A
TSCA Inventory	Yes
CERCLA RQ	N/A
RCRA Code	N/A

Section 16 -- OTHER INFORMATION

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). The information herein is given in good faith, but no warranty, expressed or implied is made. Consult RectorSeal for further information: (713) 263-8001



**WASTE PROFILE FORM
COVER SHEET**

**24230
APPROVED**

Waste Characterization Information

Waste Stream ID: 24230
WPF ID (Legacy): 51731
Waste Stream Name: WASTE FROM MAINTENANCE AND OPERATIONS TA-54-G
Expiration Date: 02/09/2014
Waste Type: Low Level Waste for Shipment to NTS
Radiological Type: Low Level Waste
RCRA Category: RCRA Solid Non-hazardous
Ancillary Types: _____
Primary Composition: Paper, Plastic, Rubber, Wood (Cellulosics)
Composition (other): PPE
EPA Codes: _____
Waste Acceptance: _____
EPA Form Code: NA
Not Applicable: Not Applicable
EPA Source Code: NA
Not Applicable: Not Applicable

Waste Generation Estimates

YEAR	VOLUME
2014	20.00 CM
2013	20.00 CM
2012	20.00 CM
2011	20.00 CM



WASTE PROFILE FORM

Reference Number	
WCATS ID 24230	Legacy WPF ID 51731

Generator's Z Number 114849	Waste Generator's Name (print) WELSH, GAIL M	WMC's Z Number 120202	WMC's Name (print) BISHOP, TONY L	Generator's Phone 5056658682
Generator's Mail Stop J595	Waste Generating Group WPS	Waste Stream Technical Area 54	Building 000000	Room WMC Phone 5056658669
Waste Accumulation (check only one) <input type="checkbox"/> Satellite Accumulation Area Site No: _____ <input type="checkbox"/> Less-than-90 Days Storage Area Site No: _____ <input type="checkbox"/> TSDF Site No: _____ <input type="checkbox"/> Universal Waste Storage Area Site No: _____ <input type="checkbox"/> Used Oil for Recycle Site No: _____ ER Use Only <input type="checkbox"/> ER Site SWMU/AOC No. _____			<input type="checkbox"/> PCBs Storage Area Site No: _____ <input type="checkbox"/> NM Special Waste Site No: _____ <input type="checkbox"/> Rad Staging Area Site No: _____ <input checked="" type="checkbox"/> Rad Storage Area Site No: <u>3787</u> <input type="checkbox"/> None of the Above Site No: _____	
Method of Characterization (check as many as apply) <input type="checkbox"/> Chemical/Physical Analysis <input type="checkbox"/> Attached Sample No: _____ <input checked="" type="checkbox"/> Radiological Analysis <input checked="" type="checkbox"/> Attached Sample No: on going NDA radiological analysis <input type="checkbox"/> PCB Analysis <input type="checkbox"/> Attached Sample No: _____ <input checked="" type="checkbox"/> Acceptable Knowledge Documentation <input checked="" type="checkbox"/> Attached Documentation No: See Additional Info. Section A or C <input type="checkbox"/> Material Safety Data Sheet (MSDS) <input type="checkbox"/> Attached				

Section 1 - Waste Prevention/Minimization (answer all questions)

Can hazard segregation, elimination, or material substitution be used?	<input type="checkbox"/> Yes (provide comments)	<input checked="" type="checkbox"/> No
Can any of the materials in the waste stream be recycled or reused?	<input type="checkbox"/> Yes (provide comments)	<input checked="" type="checkbox"/> No
Has waste minimization been incorporated into procedures or other process controls?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No (provide comments)
Can this waste be generated outside a RCA?	<input type="checkbox"/> Yes (provide comments)	<input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Comments:		

Section 2 - Chemical and Physical Information

Waste Type (check only one) <input type="checkbox"/> Unused/Unspent Chemical <input checked="" type="checkbox"/> Process Waste/Spent Chemical/Other	Waste Category (check all that apply) <input checked="" type="checkbox"/> Inorganic <input checked="" type="checkbox"/> Organic <input type="checkbox"/> Solvent (see instructions) <input type="checkbox"/> Degreaser (see instructions) <input type="checkbox"/> Dioxin <input type="checkbox"/> Electroplating <input type="checkbox"/> Treated Hazardous Waste or Residue <input type="checkbox"/> No-Longer Contained-In <input type="checkbox"/> Explosive Process <input type="checkbox"/> Infectious/Medical <input type="checkbox"/> Biological <input type="checkbox"/> Beryllium <input type="checkbox"/> Empty Container (see instructions) <input type="checkbox"/> Battery (see instructions) Asbestos <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable PCB Source Concentration <input type="checkbox"/> PCB < 50 ppm <input type="checkbox"/> PCB >= 50 - < 500 ppm <input type="checkbox"/> PCB >= 500 ppm <input type="checkbox"/> Hazardous Waste Contaminated Soil <input type="checkbox"/> Untreated Hazardous Debris <input type="checkbox"/> Commercial Solid Waste <input type="checkbox"/> Other [Describe]	Waste Source (check only one) Waste Source A <input type="checkbox"/> Decon <input checked="" type="checkbox"/> Materials Processing/Production <input type="checkbox"/> Research/Development/Testing <input type="checkbox"/> Scheduled Maintenance <input type="checkbox"/> Housekeeping - Routine <input type="checkbox"/> Spill Cleanup - Routine <input type="checkbox"/> Sampling - Routine Monitoring <input type="checkbox"/> Other (describe)	Waste Matrix (check only one) Gas <input type="checkbox"/> ≤1.5 Atmospheres Pressure <input type="checkbox"/> >1.5 Atmospheres Pressure <input type="checkbox"/> Liquefied Compressed Gas Liquid <input type="checkbox"/> Aqueous <input type="checkbox"/> Non-Aqueous <input type="checkbox"/> Suspended Solids/Aqueous <input type="checkbox"/> Suspended Solids/Non-Aqueous Solid <input type="checkbox"/> Powder/Ash/Dust <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Sludge <input type="checkbox"/> Absorbed/Solidified Liquid <input type="checkbox"/> Debris
Radiological Information Was Waste generated in a RCA? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Non-radioactive <input checked="" type="checkbox"/> Radioactive - Low Level <input type="checkbox"/> Radioactive - Transuranic	<input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable PCB Source Concentration <input type="checkbox"/> PCB < 50 ppm <input type="checkbox"/> PCB >= 50 - < 500 ppm <input type="checkbox"/> PCB >= 500 ppm <input type="checkbox"/> Hazardous Waste Contaminated Soil <input type="checkbox"/> Untreated Hazardous Debris <input type="checkbox"/> Commercial Solid Waste <input type="checkbox"/> Other [Describe]	Waste Source B <input type="checkbox"/> Abatement <input type="checkbox"/> Construction/Upgrades <input type="checkbox"/> Demolition <input type="checkbox"/> Decon/Decom <input type="checkbox"/> Investigative Derived <input type="checkbox"/> Orphan/Legacy <input type="checkbox"/> Remediation/Restoration <input type="checkbox"/> Repacking (secondary) <input type="checkbox"/> Unscheduled Maintenance <input type="checkbox"/> Housekeeping (non-routine) <input type="checkbox"/> Spill Cleanup (non-routine) <input type="checkbox"/> Non-Petroleum Tanks <input type="checkbox"/> Petroleum Tanks <input type="checkbox"/> Other (describe)	Matrix Type (check only one) <input type="checkbox"/> Homogeneous <input checked="" type="checkbox"/> Heterogeneous
Waste Destination (check one) <input type="checkbox"/> SWWS <input type="checkbox"/> RLWTF <input type="checkbox"/> RLWTP <input type="checkbox"/> TA-16/HE <input checked="" type="checkbox"/> NTS	Other:	Other:	Estimate Annual Volume (m³):
Classified Information <input checked="" type="checkbox"/> Unclassified <input type="checkbox"/> Classified/Sensitive	Other:	Other:	Other:

Section 3 - Process and Waste Description

Process Description:

Miscellaneous debris from TA-54 routine operations and maintenance activities.

Waste Description:

The waste consists of PPE, paper, cardboard, plastic, cellulosic material, metal, wood, radiological filters (HEPA, pre-filter, respirator, etc.), glass, cloth, cellulose and other non-regulated materials and small amounts of soil.

Section 4 - Characteristics

<p>Ignitability (check only one)</p> <input type="checkbox"/> < 73 F (< 22.8 C) <input type="checkbox"/> 73 - 99 F (22.8 - 37.2 C) <input type="checkbox"/> 100 - 139 F (37.8 - 59.4 C) <input type="checkbox"/> 140 - 200 F (60.0 - 99.3 C) <input checked="" type="checkbox"/> > 200 (> 99.3 C) <input type="checkbox"/> EPA Ignitable - Non-liquid <input type="checkbox"/> DOT Flammable Gas <input type="checkbox"/> DOT Oxidizer <input type="checkbox"/> Not Ignitable	<p>Corrosivity (check only one) (pH)</p> <input type="checkbox"/> <= 2.0 <input type="checkbox"/> 2.1 - 4.0 <input type="checkbox"/> 4.1 - 6.0 <input type="checkbox"/> 6.1 - 9.0 <input type="checkbox"/> 9.1 - 12.4 <input type="checkbox"/> >= 12.5 <input type="checkbox"/> Liquid Corrosive to Steel <input checked="" type="checkbox"/> Non-aqueous	<p>Reactivity (check as many as apply)</p> <input type="checkbox"/> RCRA Unstable <input type="checkbox"/> Water Reactive <input type="checkbox"/> Cyanide Bearing <input type="checkbox"/> Sulfide Bearing <input type="checkbox"/> Pyrophoric <input type="checkbox"/> Shock Sensitive <input type="checkbox"/> Explosive [Specify DOT Div.] <input checked="" type="checkbox"/> Non-Reactive	<p>Boiling Point (check only one)</p> <input type="checkbox"/> <= 95 F (<= 35 C) <input type="checkbox"/> >95 F (> 35 C) <input checked="" type="checkbox"/> Not Applicable
--	---	---	--

Identify for all contaminants listed	Characterization Method				Concentration of Contaminants		Regulatory Limit
	AK	TCLP	Total	None or Non-detect	Minimum	Maximum	
Toxicity Characteristic Metals					(10,000 ppm = 1%)		
Arsenic	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	5.0 ppm
Barium	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	100.0 ppm
Cadmium	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	1.0 ppm
Chromium	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	5.0 ppm
Lead	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	5.0 ppm
Mercury	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	0.2 ppm
Selenium	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	1.0 ppm
Silver	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	5.0 ppm
Toxicity Characteristic Organics							
Benzene	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	0.5 ppm
Carbon tetrachloride	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	0.5 ppm
Chlorobenzene	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	100.0 ppm
Chloroform	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	6.0 ppm
Cresol	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	200.0 ppm
p-Cresol	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	200.0 ppm
m-Cresol	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	200.0 ppm
o-Cresol	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	200.0 ppm
1,4-Dichlorobenzene	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	7.5 ppm
1,2-Dichloroethane	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	0.5 ppm
1,1-Dichloroethylene	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	0.7 ppm
2,4-Dinitrotoluene	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	0.13 ppm
Hexachlorobenzene	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	0.13 ppm
Hexachlorobutadiene	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	0.5 ppm
Hexachloroethane	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	3.0 ppm
Methyl ethyl ketone	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	200.0 ppm
Nitrobenzene	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	2.0 ppm
Pentachlorophenol	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	100.0 ppm
Pyridine	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	5.0 ppm
Tetrachloroethylene	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	0.7 ppm
Trichloroethylene	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	0.5 ppm
2,4,6-Trichlorophenol	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	2.0 ppm
2,4,5-Trichlorophenol	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	400.0 ppm
Vinyl chloride	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	0.2 ppm
Herbicides and Pesticides							
Chlordane	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	0.03 ppm
2,4-D	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	10.0 ppm
Endrin	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	0.02 ppm
Heptachlor (& its epoxide)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	0.008 ppm
Lindane (gamma-BHC)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	0.4 ppm
Methoxychlor	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	10.0 ppm
2,4,5-TP (Silvex)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	1.0 ppm
Toxaphene	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	0.5 ppm

Section 5 - Additional Constituents and Contaminants

Additional Constituents and Contaminants. Please account for 100% of waste. Range should be given within guidelines of individual constituents. List all other constituents (including inerts) not identified above and attach any applicable analysis. No chemical formula allowed in this field. Continue in Section 3 Additional information as necessary. CAS numbers are needed for all chemical constituents, for material without a CAS number, enter "No CAS Number".

CAS No.	Name of constituent	Minimum	Maximum
	wood	20	to 30
	metal	20	to 40
	misc cellulose	20	to 30
	filters	10	to 15
	glass	1	to 2
	soil	1	to 2
Total of max. ranges of this section and page 2		119.00 in %	

Additional Information

If additional information is available on the chemical, physical, or radiological character of the waste not covered on this form, provide it below
 Waste is from routine operations and maintenance operations at TA-54. Any waste that is produced that could possibly have any RCRA concerns will be analysed and deemed to be non-RCRA before it is packaged for disposal. Any material that is to be packaged for disposal will be verified by a waste packaging official.

Section 6 - Work Control Documentation

Do the procedures for this process cover how to manage this waste? Yes No (provide comments)

Do the procedures for this process address controls to prevent changes to waste constituents and concentrations or addition or removal of waste to/from containers? Yes No (provide comments)

Comments:

Section 7 - Packaging and Storage Control

Describe how the waste will be packaged in according to the applicable WAC.
 PACKAGED IN APPROVED CONTAINERS THAT MEET THE WAC FOR THE DISPOSAL SITE. DURING THE PROCESS OF FILLING THE CONTAINERS LIMITED USE LOCKS ARE EMPLOYED WHICH CAN ONLY BE REMOVED AND REPLACED BY THE WASTE PACKAGING CERTIFIER

Identify the storage management controls that will be used for this waste stream: (check all that apply)

Tamper Indication Devices Limited use locks with log-in for waste Locked cabinet or building Other (describe) LIMITED USE LOCKS

Section 8 - Waste Certification Statements

Waste appears to meet WAC attachment for: LLW-NTS

Waste stream needs exception/exemption for treatment, storage, or disposal.

Waste does not meet the criteria for any known TSDF. (DOE approval is required. Contact the office of the Principle Associate Director for Weapons Programs [PADWP] for assistance.)

Waste Generator Certification: Based on my knowledge of the waste and/or chemical/physical analysis, I certify that the waste characterization information on this form is correct and that it meets the requirements of the applicable waste acceptance criteria, I understand that this information will be made available to regulatory agencies and that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Signature: TONY L BISHOP (120202) Date: 02/10/12 03:39 PM

Waste Management Coordinator: I have reviewed this form and any associated attachments and the characterization information provided appears to be complete and accurate. I certify, to the best of my knowledge, that the waste characterization information provided by the waste generator meets the requirements of the applicable WAC.

Signature: TONY L BISHOP (120202) Date: 02/10/12 03:40 PM

Identify category and presence of any constituents listed below (equal to or above limit).

Non-Wastewater/Wastewater Category (check only one)

Non Wastewater Wastewater [as defined by 40 CFR 268.2(f)] Lab Pack [40 CFR 268.2(f)] Sign Certification #1

Notifications and Certifications - Check the applicable boxes

Generator Requirements:

- This shipment contains hazardous waste contaminated soil that does not meet treatment standards Sign Certification #2
- This shipment contains untreated hazardous debris to be treated to 40 CFR 268.45 treatment standards (No certification)
- Hazardous wastes (except soil) meeting treatment standards at point of generation Sign Certification #3
- Hazardous wastes contaminated soil meeting treatment standards at point of generation Sign Certification #4

TSDF or Generator Treatment:

- TSDF treated hazardous debris meeting the alternative treatment standards of 40 CFR 268.45 Sign Certification #5
- Generator treated hazardous debris meeting the alternative treatment standards of 40 CFR 268.45 Sign Certification #6
- Hazardous wastes contaminated soil treated to 40 CFR 268.49 Sign Certification #7
- Wastes or residues from characteristic hazardous waste treatment meeting treatment standards and UTS Sign Certification #8
- Wastes or residues from characteristic hazardous waste treatment not meeting UTS Sign Certification #9
- Other TSDF wastes meeting the more stringent 40 CFR 268.40 treatment standards to be land disposed Sign Certification #10
- Other generator wastes meeting the more stringent 40 CFR 268.40 treatment standards to be land disposed Sign Certification #11

Notification of Underlying Hazardous Constituents

(Check the applicable underlying constituents above the concentration levels for D001 through D043 characteristic wastes only)

No Underlying Hazardous Constituents in this waste stream.

	Organic Constituents	CASRN	Wastewater Standard (mg/L)	Non Wastewater Standard (mg/kg unless noted otherwise)	Hazardous Soil 10Xs UTS (mg/kg unless noted otherwise)
<input type="checkbox"/>	Acenaphthene	83-32-9	0.059	3.4	34.0
<input type="checkbox"/>	Acenaphthylene	208-96-8	0.059	3.4	34.0
<input type="checkbox"/>	Acetone	67-64-1	0.28	160.0	1600.0
<input type="checkbox"/>	Acetonitrile	75-05-8	5.6	38.0	380.0
<input type="checkbox"/>	Acetophenone	98-86-2	0.01	9.7	97.0
<input type="checkbox"/>	2-Acetylaminofluorene	53-96-3	0.059	140.0	1400.0
<input type="checkbox"/>	Acrolein	107-02-8	0.29	N/A	N/A
<input type="checkbox"/>	Acrylamide	79-06-1	19.0	23.0	230.0
<input type="checkbox"/>	Acrylonitrile	107-13-1	0.24	84.0	840.0
<input type="checkbox"/>	Aldicarb sulfone	1646-88-4	0.056	0.28	2.8
<input type="checkbox"/>	Aldrin	309-00-2	0.021	0.066	0.66
<input type="checkbox"/>	4-Aminobiphenyl	92-67-1	0.13	N/A	N/A
<input type="checkbox"/>	Aniline	62-53-3	0.81	14.0	140.0
<input type="checkbox"/>	o-Anisidine	90-04-0	0.01	0.66	6.6
<input type="checkbox"/>	Anthracene	120-12-7	0.059	3.4	34.0
<input type="checkbox"/>	Aramite	140-57-8	0.36	N/A	N/A
<input type="checkbox"/>	alpha-BHC	319-84-6	0.00014	0.066	0.66
<input type="checkbox"/>	beta-BHC	319-85-7	0.00014	0.066	0.66
<input type="checkbox"/>	delta-BHC	319-86-8	0.023	0.066	0.66
<input type="checkbox"/>	Barban	101-27-9	0.056	1.4	14.0
<input type="checkbox"/>	Bendiocarb	22781-23-3	0.056	1.4	14.0
<input type="checkbox"/>	Benomyl	17804-35-2	0.056	1.4	14.0
<input type="checkbox"/>	Benz[a]anthracene	56-55-3	0.059	3.4	34.0
<input type="checkbox"/>	Benzal chloride	98-87-3	0.055	6.0	60.0
<input type="checkbox"/>	Benzene	71-43-2	0.14	10.0	100.0
<input type="checkbox"/>	Benzo(b)fluoranthene	205-99-2	0.11	6.8	68.0
<input type="checkbox"/>	Benzo[a]pyrene	50-32-8	0.061	3.4	34.0
<input type="checkbox"/>	Benzo[ghi]perylene	191-24-2	0.0055	1.8	18.0
<input type="checkbox"/>	Benzo[k]fluoranthene	207-08-9	0.11	6.8	68.0
<input type="checkbox"/>	Bis(2-Chloroethoxy)methane	111-91-1	0.036	7.2	72.0
<input type="checkbox"/>	Bis(2-chloroethyl) ether	111-44-4	0.033	6.0	60.0
<input type="checkbox"/>	Bis(2-chloroisopropyl) ether	39638-32-9	0.055	7.2	72.0
<input type="checkbox"/>	Bis(2-ethylhexyl) phthalate	117-81-7	0.28	28.0	280.0
<input type="checkbox"/>	Bromodichloromethane	75-27-4	0.35	15.0	150.0
<input type="checkbox"/>	Bromomethane	74-83-9	0.11	15.0	150.0
<input type="checkbox"/>	4-Bromophenyl phenyl ether	101-55-3	0.055	15.0	150.0
<input type="checkbox"/>	n-Butyl alcohol	71-36-3	5.6	2.6	26.0
<input type="checkbox"/>	Butyl benzyl phthalate	85-68-7	0.017	28.0	280.0
<input type="checkbox"/>	Butylate	2008-41-5	0.042	1.4	14.0
<input type="checkbox"/>	Carbaryl	63-25-2	0.006	0.14	1.4

Organic Constituents	CASRN	Wastewater Standard (mg/L)	Non Wastewater Standard (mg/kg unless noted otherwise)	Hazardous Soil 10Xs UTS (mg/kg unless noted otherwise)
<input type="checkbox"/> Carbendazim	10605-21-7	0.056	1.4	14.0
<input type="checkbox"/> Carbofuran	1563-66-2	0.006	0.14	1.4
<input type="checkbox"/> Carbofuran phenol	1563-38-8	0.056	1.4	14.0
<input type="checkbox"/> Carbon disulfide	75-15-0	3.8	4.8	48.0
<input type="checkbox"/> Carbon tetrachloride	56-23-5	0.057	6.0	60.0
<input type="checkbox"/> Carbosulfan	55285-14-8	0.028	1.4	14.0
<input type="checkbox"/> Chlordane	57-74-9	0.0033	0.26	2.6
<input type="checkbox"/> p-Chloro-m-cresol	59-50-7	0.018	14.0	140.0
<input type="checkbox"/> p-Chloroaniline	106-47-8	0.46	16.0	160.0
<input type="checkbox"/> Chlorobenzene	108-90-7	0.057	6.0	60.0
<input type="checkbox"/> Chlorobenzilate	510-15-6	0.1	N/A	N/A
<input type="checkbox"/> Chlorodibromomethane	124-48-1	0.057	15.0	150.0
<input type="checkbox"/> Chloroethane	75-00-3	0.27	6.0	60.0
<input type="checkbox"/> 2-Chloroethyl vinyl ether	110-75-8	0.062	N/A	N/A
<input type="checkbox"/> Chloroform	67-66-3	0.046	6.0	60.0
<input type="checkbox"/> Chloromethane	74-87-3	0.19	30.0	300.0
<input type="checkbox"/> 2-Chloronaphthalene	91-58-7	0.055	5.6	56.0
<input type="checkbox"/> 2-Chlorophenol	95-57-8	0.044	5.7	57.0
<input type="checkbox"/> Chloroprene	126-99-8	0.057	0.28	2.8
<input type="checkbox"/> 3-Chloropropylene	107-05-1	0.036	30.0	300.0
<input type="checkbox"/> Chrysene	218-01-9	0.059	3.4	34.0
<input type="checkbox"/> p-Cresidine	120-71-8	0.01	0.66	6.6
<input type="checkbox"/> m-Cresol	108-39-4	0.77	5.6	56.0
<input type="checkbox"/> o-Cresol	95-48-7	0.11	5.6	56.0
<input type="checkbox"/> p-Cresol	106-44-5	0.77	5.6	56.0
<input type="checkbox"/> m-Cumenyl methylcarbamate	64-00-6	0.056	1.4	14.0
<input type="checkbox"/> Cyanide (Amenable)	57-12-5*	0.86	30.0	300.0
<input type="checkbox"/> Cyanide (Total)	57-12-5	1.2	590.0	5900.0
<input type="checkbox"/> Cyclohexanone	108-94-1	0.36	0.75	7.5
<input type="checkbox"/> 2,4-D	94-75-7	0.72	10.0	100.0
<input type="checkbox"/> o,p'-DDD	53-19-0	0.023	0.087	0.87
<input type="checkbox"/> p,p'-DDD	72-54-8	0.023	0.087	0.87
<input type="checkbox"/> o,p'-DDE	3424-82-6	0.031	0.087	0.87
<input type="checkbox"/> p,p'-DDE	72-55-9	0.031	0.087	0.87
<input type="checkbox"/> o,p'-DDT	789-02-6	0.0039	0.087	0.87
<input type="checkbox"/> p,p'-DDT	50-29-3	0.0039	0.087	0.87
<input type="checkbox"/> Di-n-butyl phthalate	84-74-2	0.057	28.0	280.0
<input type="checkbox"/> Di-n-octyl phthalate	117-84-0	0.017	28.0	280.0
<input type="checkbox"/> Di-n-propylnitrosamine	621-64-7	0.4	14.0	140.0
<input type="checkbox"/> Dibenz[a,h]anthracene	53-70-3	0.055	8.2	82.0
<input type="checkbox"/> Dibenzof[a,e]pyrene	192-65-4	0.061	N/A	N/A
<input type="checkbox"/> 1,2-Dibromo-3-chloropropane	96-12-8	0.11	15.0	150.0
<input type="checkbox"/> 1,2-Dibromoethane	106-93-4	0.028	15.0	150.0
<input type="checkbox"/> Dibromomethane	74-95-3	0.11	15.0	150.0
<input type="checkbox"/> 1,4-Dichlorobenzene	106-46-7	0.09	6.0	60.0
<input type="checkbox"/> m-Dichlorobenzene	541-73-1	0.036	6.0	60.0
<input type="checkbox"/> o-Dichlorobenzene	95-50-1	0.088	6.0	60.0
<input type="checkbox"/> Dichlorodifluoromethane	75-71-8	0.23	7.2	72.0
<input type="checkbox"/> 1,1-Dichloroethane	75-34-3	0.059	6.0	60.0
<input type="checkbox"/> 1,2-Dichloroethane	107-06-2	0.21	6.0	60.0
<input type="checkbox"/> 1,1-Dichloroethylene	75-35-4	0.025	6.0	60.0
<input type="checkbox"/> trans-1,2-Dichloroethylene	156-60-5	0.054	30.0	300.0
<input type="checkbox"/> 2,4-Dichlorophenol	120-83-2	0.044	14.0	140.0
<input type="checkbox"/> 2,6-Dichlorophenol	87-65-0	0.044	14.0	140.0
<input type="checkbox"/> 1,2-Dichloropropane	78-87-5	0.85	18.0	180.0
<input type="checkbox"/> trans-1,3-Dichloropropene	10061-02-6	0.036	18.0	180.0
<input type="checkbox"/> cis-1,3-Dichloropropylene	10061-01-5	0.036	18.0	180.0
<input type="checkbox"/> Dieldrin	60-57-1	0.017	0.13	1.3
<input type="checkbox"/> Diethyl phthalate	84-66-2	0.2	28.0	280.0

Organic Constituents	CASRN	Wastewater Standard (mg/L)	Non Wastewater Standard (mg/kg unless noted otherwise)	Hazardous Soil 10Xs UTS (mg/kg unless noted otherwise)
<input type="checkbox"/> Dimethyl phthalate	131-11-3	0.047	28.0	280.0
<input type="checkbox"/> p-Dimethylaminoazobenzene	60-11-7	0.13	N/A	N/A
<input type="checkbox"/> 2,4-Dimethylphenol	105-67-9	0.036	14.0	140.0
<input type="checkbox"/> 4,6-Dinitro-o-cresol	534-52-1	0.28	160.0	1600.0
<input type="checkbox"/> 1,4-Dinitrobenzene	100-25-4	0.32	2.3	23.0
<input type="checkbox"/> 2,4-Dinitrophenol	51-28-5	0.12	160.0	1600.0
<input type="checkbox"/> 2,4-Dinitrotoluene	121-14-2	0.32	140.0	1400.0
<input type="checkbox"/> 2,6-Dinitrotoluene	606-20-2	0.55	28.0	280.0
<input type="checkbox"/> Dinoseb	88-85-7	0.066	2.5	25.0
<input type="checkbox"/> 1,4-Dioxane	123-91-1	12.0	170.0	1700.0
<input type="checkbox"/> Diphenylamine	122-39-4	0.92	13.0	130.0
<input type="checkbox"/> 1,2-Diphenylhydrazine	122-56-7	0.087	N/A	N/A
<input type="checkbox"/> Disulfoton	298-04-4	0.017	6.2	62.0
<input type="checkbox"/> Dithiocarbamates (total)	WCATS-001	0.028	28.0	280.0
<input type="checkbox"/> EPTC	759-94-4	0.042	1.4	14.0
<input type="checkbox"/> Endosulfan I	959-98-8	0.023	0.066	0.66
<input type="checkbox"/> Endosulfan II	33213-65-9	0.029	0.13	1.3
<input type="checkbox"/> Endosulfan sulfate	1031-07-8	0.029	0.13	1.3
<input type="checkbox"/> Endrin	72-20-8	0.0028	0.13	1.3
<input type="checkbox"/> Endrin aldehyde	7421-93-4	0.025	0.13	1.3
<input type="checkbox"/> Ethyl acetate	141-78-6	0.34	33.0	330.0
<input type="checkbox"/> Ethyl benzene	100-41-4	0.057	10.0	100.0
<input type="checkbox"/> Ethyl ether	60-29-7	0.12	160.0	1600.0
<input type="checkbox"/> Ethyl methacrylate	97-63-2	0.14	160.0	1600.0
<input type="checkbox"/> Ethylene oxide	75-21-8	0.12	N/A	N/A
<input type="checkbox"/> Famphur	52-85-7	0.017	15.0	150.0
<input type="checkbox"/> Fluoranthene	206-44-0	0.068	3.4	34.0
<input type="checkbox"/> Fluorene	86-73-7	0.059	3.4	34.0
<input type="checkbox"/> Fluoride	16984-48-8	35.0	N/A	N/A
<input type="checkbox"/> Formetanate hydrochloride	23422-53-9	0.056	1.4	14.0
<input type="checkbox"/> Heptachlor (& its epoxide)	76-44-8	0.0012	0.066	0.66
<input type="checkbox"/> Heptachlor epoxide	1024-57-3	0.016	0.066	0.66
<input type="checkbox"/> 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	35822-46-9	0.000035	0.0025	0.025
<input type="checkbox"/> 1,2,3,4,6,7,8-Heptachlorodibenzofuran	67562-39-4	0.000035	0.0025	0.025
<input type="checkbox"/> 1,2,3,4,7,8,9-Heptachlorodibenzofuran	55673-89-7	0.000035	0.0025	0.025
<input type="checkbox"/> Hexachlorobenzene	118-74-1	0.055	10.0	100.0
<input type="checkbox"/> Hexachlorobutadiene	87-68-3	0.055	5.6	56.0
<input type="checkbox"/> Hexachlorocyclopentadiene	77-47-4	0.057	2.4	24.0
<input type="checkbox"/> Hexachloroethane	67-72-1	0.055	30.0	300.0
<input type="checkbox"/> Hexachloropropene	1888-71-7	0.035	30.0	300.0
<input type="checkbox"/> HxCDDs (All Hexachlorodibenzo-p-dioxins)	34465-46-8	0.000063	0.001	0.01
<input type="checkbox"/> HxCDFs (All Hexachlorodibenzo-furans)	55684-94-1	0.000063	0.001	0.01
<input type="checkbox"/> Indeno[1,2,3-cd]pyrene	193-39-5	0.0055	3.4	34.0
<input type="checkbox"/> Iodomethane	74-88-4	0.19	65.0	650.0
<input type="checkbox"/> Isobutyl alcohol	78-83-1	5.6	170.0	1700.0
<input type="checkbox"/> Isodrin	465-73-6	0.021	0.066	0.66
<input type="checkbox"/> Isosafrole	120-58-1	0.081	2.6	26.0
<input type="checkbox"/> Kepone	143-50-0	0.0011	0.13	1.3
<input type="checkbox"/> Lindane (gamma-BHC)	58-89-9	0.0017	0.066	0.66
<input type="checkbox"/> Mercury (Retort Residues)	7439-97-6*	N/A	0.2	2.0
<input type="checkbox"/> Methacrylonitrile	126-98-7	0.24	84.0	840.0
<input type="checkbox"/> Methanol	67-58-1	5.6	0.75	7.5
<input type="checkbox"/> Methapyrilene	91-80-5	0.081	1.5	15.0
<input type="checkbox"/> Methiocarb	2032-65-7	0.056	1.4	14.0
<input type="checkbox"/> Methomyl	16752-77-5	0.028	0.14	1.4
<input type="checkbox"/> Methoxychlor	72-43-5	0.25	0.18	1.8
<input type="checkbox"/> Methyl ethyl ketone	78-93-3	0.28	36.0	360.0
<input type="checkbox"/> Methyl isobutyl ketone	108-10-1	0.14	33.0	330.0
<input type="checkbox"/> Methyl methacrylate	80-62-6	0.14	160.0	1600.0

Organic Constituents	CASRN	Wastewater Standard (mg/L)	Non Wastewater Standard (mg/kg unless noted otherwise)	Hazardous Soil 10Xs UTS (mg/kg unless noted otherwise)
<input type="checkbox"/> Methyl methanesulfonate	66-27-3	0.018	N/A	N/A
<input type="checkbox"/> Methyl parathion	298-00-0	0.014	4.6	46.0
<input type="checkbox"/> 3-Methylcholanthrene	56-49-5	0.0055	15.0	150.0
<input type="checkbox"/> 4,4'-Methylene bis(2-chloroaniline)	101-14-4	0.5	30.0	300.0
<input type="checkbox"/> Methylene chloride	75-09-2	0.089	30.0	300.0
<input type="checkbox"/> Metolcarb	1129-41-5	0.056	1.4	14.0
<input type="checkbox"/> Mexacarbate	315-18-4	0.056	1.4	14.0
<input type="checkbox"/> Molinate	2212-67-1	0.042	1.4	14.0
<input type="checkbox"/> N-Nitroso-di-n-butylamine	924-16-3	0.4	17.0	170.0
<input type="checkbox"/> N-Nitrosodiethylamine	55-18-5	0.4	28.0	280.0
<input type="checkbox"/> N-Nitrosodimethylamine	62-75-9	0.4	2.3	23.0
<input type="checkbox"/> N-Nitrosodiphenylamine	86-30-6	0.92	13.0	130.0
<input type="checkbox"/> N-Nitrosomethylethylamine	10595-95-6	0.4	2.3	23.0
<input type="checkbox"/> N-Nitrosomorpholine	59-89-2	0.4	2.3	23.0
<input type="checkbox"/> N-Nitrosopiperidine	100-75-4	0.013	35.0	350.0
<input type="checkbox"/> N-Nitrosopyrrolidine	930-55-2	0.013	35.0	350.0
<input type="checkbox"/> Naphthalene	91-20-3	0.059	5.6	56.0
<input type="checkbox"/> 2-Naphthylamine	91-59-8	0.52	N/A	N/A
<input type="checkbox"/> 5-Nitro-o-toluidine	99-55-8	0.32	28.0	280.0
<input type="checkbox"/> o-Nitroaniline	88-74-4	0.27	14.0	140.0
<input type="checkbox"/> p-Nitroaniline	100-01-6	0.028	28.0	280.0
<input type="checkbox"/> Nitrobenzene	98-95-3	0.068	14.0	140.0
<input type="checkbox"/> o-Nitrophenol	88-75-5	0.028	13.0	130.0
<input type="checkbox"/> p-Nitrophenol	100-02-7	0.12	29.0	290.0
<input type="checkbox"/> 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	3268-87-9	0.000063	0.005	0.05
<input type="checkbox"/> 1,2,3,4,6,7,8,9-Octachlorodibenzofuran	39001-02-0	0.000063	0.005	0.05
<input type="checkbox"/> Oxamyl	23135-22-0	0.056	0.28	2.8
<input type="checkbox"/> Parathion	56-38-2	0.014	4.6	46.0
<input type="checkbox"/> PeCDDs (All Pentachlorodibenzo-p-dioxins)	36088-22-9	0.000063	0.001	0.01
<input type="checkbox"/> PeCDFs (All Pentachlorodibenzo-furans)	30402-15-4	0.000035	0.001	0.01
<input type="checkbox"/> Pebulate	1114-71-2	0.042	1.4	14.0
<input type="checkbox"/> Pentachlorobenzene	608-93-5	0.055	10.0	100.0
<input type="checkbox"/> Pentachloroethane	76-01-7	0.055	6.0	60.0
<input type="checkbox"/> Pentachloronitrobenzene	82-68-8	0.055	4.8	48.0
<input type="checkbox"/> Pentachlorophenol	87-86-5	0.089	7.4	74.0
<input type="checkbox"/> Phenacetin	62-44-2	0.081	16.0	160.0
<input type="checkbox"/> Phenanthrene	85-01-8	0.059	5.6	56.0
<input type="checkbox"/> Phenol	108-95-2	0.039	6.2	62.0
<input type="checkbox"/> o-Phenylenediamine	95-54-5	N/A	N/A	N/A
<input type="checkbox"/> Phorate	298-02-2	0.021	4.6	46.0
<input type="checkbox"/> Phthalic acid	100-21-0	0.055	28.0	280.0
<input type="checkbox"/> Phthalic anhydride	85-44-9	0.055	28.0	280.0
<input type="checkbox"/> Physostigmine	57-47-6	0.056	1.4	14.0
<input type="checkbox"/> Physostigmine salicylate	57-64-7	0.056	1.4	14.0
<input type="checkbox"/> Promecarb	2631-37-0	0.056	1.4	14.0
<input type="checkbox"/> Pronamide	23950-58-5	0.093	1.5	15.0
<input type="checkbox"/> Propanenitrile	107-12-0	0.24	360.0	3600.0
<input type="checkbox"/> Propam	122-42-9	0.056	1.4	14.0
<input type="checkbox"/> Propoxur	114-26-1	0.056	1.4	14.0
<input type="checkbox"/> Prosulfocarb	52888-80-9	0.042	1.4	14.0
<input type="checkbox"/> Pyrene	129-00-0	0.067	8.2	82.0
<input type="checkbox"/> Pyridine	110-86-1	0.014	16.0	160.0
<input type="checkbox"/> Safrole	94-59-7	0.081	22.0	220.0
<input type="checkbox"/> Sulfide	18496-25-8	14.0	N/A	N/A
<input type="checkbox"/> 2,4,5-T	93-76-5	0.72	7.9	79.0
<input type="checkbox"/> TCDDs (All Tetrachlorodi-benzo-p-dioxins)	41903-57-5	0.000063	0.001	0.01
<input type="checkbox"/> TCDFs (All Tetrachlorodibenzofurans)	30402-14-3	0.000063	0.001	0.01
<input type="checkbox"/> 2,4,5-TP (Silvex)	93-72-1	0.72	7.9	79.0
<input type="checkbox"/> 1,2,4,5-Tetrachlorobenzene	95-94-3	0.055	14.0	140.0

	Organic Constituents	CASRN	Wastewater Standard (mg/L)	Non Wastewater Standard (mg/kg unless noted otherwise)	Hazardous Soil 10Xs UTS (mg/kg unless noted otherwise)
<input type="checkbox"/>	1,1,1,2-Tetrachloroethane	630-20-6	0.057	6.0	60.0
<input type="checkbox"/>	1,1,2,2-Tetrachloroethane	79-34-5	0.057	6.0	60.0
<input type="checkbox"/>	Tetrachloroethylene	127-18-4	0.056	6.0	60.0
<input type="checkbox"/>	2,3,4,6-Tetrachlorophenol	58-90-2	0.03	7.4	74.0
<input type="checkbox"/>	Thiodicarb	59669-26-0	0.019	1.4	14.0
<input type="checkbox"/>	Thiophanate-methyl	23564-05-8	0.056	1.4	14.0
<input type="checkbox"/>	Toluene	108-88-3	0.08	10.0	100.0
<input type="checkbox"/>	Total PCBs (Polychlorinated biphenyls)	1336-36-3	0.1	10.0	100.0
<input type="checkbox"/>	Toxaphene	8001-35-2	0.0095	2.6	26.0
<input type="checkbox"/>	Triallate	2303-17-5	0.042	1.4	14.0
<input type="checkbox"/>	Tribromomethane	75-25-2	0.63	15.0	150.0
<input type="checkbox"/>	2,4,6-Tribromophenol	118-79-6	0.035	7.4	74.0
<input type="checkbox"/>	1,1,2-Trichloro-1,2,2,-trifluoroethane	76-13-1	0.057	30.0	300.0
<input type="checkbox"/>	1,2,4-Trichlorobenzene	120-82-1	0.055	19.0	190.0
<input type="checkbox"/>	1,1,1-Trichloroethane	71-55-6	0.054	6.0	60.0
<input type="checkbox"/>	1,1,2-Trichloroethane	79-00-5	0.054	6.0	60.0
<input type="checkbox"/>	Trichloroethylene	79-01-6	0.054	6.0	60.0
<input type="checkbox"/>	Trichloromonofluoromethane (R11)	75-69-4	0.02	30.0	300.0
<input type="checkbox"/>	2,4,5-Trichlorophenol	95-95-4	0.18	7.4	74.0
<input type="checkbox"/>	2,4,6-Trichlorophenol	88-06-2	0.035	7.4	74.0
<input type="checkbox"/>	1,2,3-Trichloropropane	96-18-4	0.85	30.0	300.0
<input type="checkbox"/>	Triethylamine	121-44-8	0.081	1.5	15.0
<input type="checkbox"/>	Tris(2,3-dibromopropyl) phosphate	126-72-7	0.11	0.1	1.0
<input type="checkbox"/>	Vernolate	1929-77-7	0.042	1.4	14.0
<input type="checkbox"/>	Vinyl chloride	75-01-4	0.27	6.0	60.0
<input type="checkbox"/>	Xylene	1330-20-7	0.32	30.0	300.0
<input type="checkbox"/>	2,4-Xylidine	95-68-1	0.01	0.66	6.6
<input type="checkbox"/>	Antimony	7440-36-0	1.9	1.15	11.5
<input type="checkbox"/>	Arsenic	7440-38-2	1.4	5.0	50.0
<input type="checkbox"/>	Barium	7440-39-3	1.2	21.0	210.0
<input type="checkbox"/>	Beryllium	7440-41-7	0.82	1.22	12.2
<input type="checkbox"/>	Cadmium	7440-43-9	0.69	0.11	1.1
<input type="checkbox"/>	Chromium	7440-47-3	2.77	0.6	6.0
<input type="checkbox"/>	Lead	7439-92-1	0.69	0.75	7.5
<input type="checkbox"/>	Mercury	7439-97-6	0.15	0.025	0.25
<input type="checkbox"/>	Nickel	7440-02-0	3.98	11.0	110.0
<input type="checkbox"/>	Selenium	7782-49-2	0.82	5.7	57.0
<input type="checkbox"/>	Silver	7440-22-4	0.43	0.14	1.4
<input type="checkbox"/>	Thallium	7440-28-0	1.4	0.2	2.0
<input type="checkbox"/>	Vanadium	7440-62-2	4.3	1.6	16.0
<input type="checkbox"/>	Zinc	7440-66-6	2.61	4.3	43.0

Attachment 1 - Additional Radionuclides

Please list the supplementary radionuclides and their concentration values.

Nuclear Abbr.	Concentration			Unit
	Low	Typical	High	
Am-241	3.320E+003	3.320E+007	3.320E+009	Bq/m3
Am-242	2.000E+001	2.000E+005	2.000E+007	Bq/m3
Am-242m	1.240E+002	1.240E+006	1.240E+008	Bq/m3
Am-243	5.800E+002	5.800E+006	5.800E+008	Bq/m3
Ce-60	1.000E+004	1.000E+008	1.000E+010	Bq/m3
Cs-137	2.500E+003	2.500E+007	2.500E+009	Bq/m3
K-40	6.220E+002	6.220E+006	6.220E+008	Bq/m3
Mn-53	2.100E+000	2.100E+004	2.100E+006	Bq/m3
Na-22	9.000E-002	9.000E+000	9.000E+002	Bq/m3
Np-237	5.000E-007	5.000E+000	5.000E+002	Bq/m3
Pu-238	1.140E+000	1.140E+008	1.140E+010	Bq/m3
Pu-239	2.810E+000	2.810E+007	2.810E+009	Bq/m3
Pu-240	4.280E+000	4.280E+006	4.280E+008	Bq/m3
Pu-241	6.440E+000	6.440E+007	6.440E+009	Bq/m3
Pu-242	2.470E+000	2.470E+002	2.470E+004	Bq/m3
Se-75	6.000E-004	6.000E+000	6.000E+002	Bq/m3
Sr-85	2.000E-006	2.000E+000	2.000E+002	Bq/m3
Sr-89	1.000E-004	1.000E+000	1.000E+002	Bq/m3
Sr-90	2.310E-001	2.310E+003	2.310E+005	Bq/m3
U-234	4.760E-001	8.000E+004	4.760E+006	Bq/m3
U-235	2.250E-001	2.250E+003	2.250E+005	Bq/m3
U-236	2.720E-002	2.720E+002	2.720E+004	Bq/m3
U-238	7.520E+000	7.520E+004	7.520E+006	Bq/m3



**WASTE PROFILE FORM
COVER SHEET**

**39156
APPROVED**

Waste Characterization Information

Waste Stream ID: 39156
WPF ID (Legacy): 55813
Waste Stream Name: DEBRIS/WCS
Expiration Date: 04/23/2014
Waste Type: Solid Waste - Other
Radiological Type: Non Radioactive
RCRA Category: RCRA Solid Non-hazardous
Ancillary Types: _____
Primary Composition: Other [Describe]
Composition (other): Debris
EPA Codes: _____
Waste Acceptance: _____
EPA Form Code: NA
Not Applicable: Not Applicable
EPA Source Code: NA
Not Applicable: Not Applicable

Waste Generation Estimates

YEAR	VOLUME
2015	100.00 CM
2014	100.00 CM
2013	400.00 CM



WASTE PROFILE FORM

Barcode and Reference Number fields with WCATS ID 39156 and Legacy WPF ID 55813

Main header section containing Generator's Z Number, Name, WMC's Z Number, Name, Phone, Mail Stop, Group, Stream Area, Building, Room, and various checkboxes for waste accumulation and characterization.

Section 1 - Waste Prevention/Minimization (answer all questions)

Section 1 questions regarding hazardous segregation, recycling, and waste minimization with Yes/No/N/A options.

Section 2 - Chemical and Physical Information

Section 2 detailed information section with columns for Waste Type, Radiological Information, Waste Destination, Classified Information, Waste Category, Waste Source, Waste Matrix, and Estimate Annual Volume.

Section 3 - Process and Waste Description

Process Description:

Debris consists of equipment (utility vehicles, large metal cabinets, equipment tires, metal box trailer) that was stored in an open area at TA-54 Area G. The source of any suspect surface radiological contamination would be contributed to the surrounding area.

Waste Description:

Debris consists of metal, plastic, rubber, glass, concrete, wood, wiring (non-PCB), paper, and other misc. debris and adsorbent. Waste Stream is surface contaminated only (radiological).

Section 4 - Characteristics

<p>Ignitability (check only one)</p> <input type="checkbox"/> < 73 F (< 22.8 C) <input type="checkbox"/> 73 - 99 F (22.8 - 37.2 C) <input type="checkbox"/> 100 - 139 F (37.8 - 59.4 C) <input type="checkbox"/> 140 - 200 F (60.0 - 99.3 C) <input type="checkbox"/> > 200 (> 99.3 C) <input type="checkbox"/> EPA Ignitable - Non-liquid <input type="checkbox"/> DOT Flammable Gas <input type="checkbox"/> DOT Oxidizer <input checked="" type="checkbox"/> Not Ignitable	<p>Corrosivity (check only one) (pH)</p> <input type="checkbox"/> <= 2.0 <input type="checkbox"/> 2.1 - 4.0 <input type="checkbox"/> 4.1 - 6.0 <input type="checkbox"/> 6.1 - 9.0 <input type="checkbox"/> 9.1 - 12.4 <input type="checkbox"/> >= 12.5 <input type="checkbox"/> Liquid Corrosive to Steel <input checked="" type="checkbox"/> Non-aqueous	<p>Reactivity (check as many as apply)</p> <input type="checkbox"/> RCRA Unstable <input type="checkbox"/> Water Reactive <input type="checkbox"/> Cyanide Bearing <input type="checkbox"/> Sulfide Bearing <input type="checkbox"/> Pyrophoric <input type="checkbox"/> Shock Sensitive <input type="checkbox"/> Explosive [Specify DOT Div.] <input checked="" type="checkbox"/> Non-Reactive	<p>Boiling Point (check only one)</p> <input type="checkbox"/> <= 95 F (<= 35 C) <input type="checkbox"/> >95 F (> 35 C) <input checked="" type="checkbox"/> Not Applicable
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Identify for all contaminants listed	Characterization Method				Concentration of Contaminants		Regulatory Limit
	AK	TCLP	Total	None or Non-detect	Minimum	Maximum	
Toxicity Characteristic Metals							
(10,000 ppm = 1%)							
Arsenic	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	5.0 ppm
Barium	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	100.0 ppm
Cadmium	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	1.0 ppm
Chromium	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	5.0 ppm
Lead	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	5.0 ppm
Mercury	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	0.2 ppm
Selenium	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	1.0 ppm
Silver	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	5.0 ppm
Toxicity Characteristic Organics							
Benzene	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	0.5 ppm
Carbon tetrachloride	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	0.5 ppm
Chlorobenzene	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	100.0 ppm
Chloroform	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	6.0 ppm
Cresol	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	200.0 ppm
p-Cresol	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	200.0 ppm
m-Cresol	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	200.0 ppm
o-Cresol	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	200.0 ppm
1,4-Dichlorobenzene	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	7.5 ppm
1,2-Dichloroethane	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	0.5 ppm
1,1-Dichloroethylene	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	0.7 ppm
2,4-Dinitrotoluene	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	0.13 ppm
Hexachlorobenzene	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	0.13 ppm
Hexachlorobutadiene	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	0.5 ppm
Hexachloroethane	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	3.0 ppm
Methyl ethyl ketone	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	200.0 ppm
Nitrobenzene	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	2.0 ppm
Pentachlorophenol	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	100.0 ppm
Pyridine	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	5.0 ppm
Tetrachloroethylene	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	0.7 ppm
Trichloroethylene	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	0.5 ppm
2,4,6-Trichlorophenol	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	2.0 ppm
2,4,5-Trichlorophenol	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	400.0 ppm
Vinyl chloride	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	0.2 ppm
Herbicides and Pesticides							
Chlordane	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	0.03 ppm
2,4-D	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	10.0 ppm
Endrin	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	0.02 ppm
Heptachlor (& its epoxide)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	0.008 ppm
Lindane (gamma-BHC)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	0.4 ppm
Methoxychlor	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	10.0 ppm
2,4,5-TP (Silvex)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	1.0 ppm
Toxaphene	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	to	ppm	0.5 ppm

Section 5 - Additional Constituents and Contaminants

Additional Constituents and Contaminants. Please account for 100% of waste. Range should be given within guidelines of individual constituents. List all other constituents (including inerts) not identified above and attach any applicable analysis. No chemical formula allowed in this field. Continue in Section 3 Additional information as necessary. CAS numbers are needed for all chemical constituents, for material without a CAS number, enter "No CAS Number".

CAS No.	Name of constituent	Minimum	Maximum
	Debris	98	100
	Adsorbent	0	2
Total of max. ranges of this section and page 2		102.00 in %	

Additional Information

If additional information is available on the chemical, physical, or radiological character of the waste not covered on this form, provide it below

Surveys indicate that the contamination identified in this waste stream is below the release criteria as set forth in DOE Order 458.1 and LANL P121 Radiation Protection, Table 14-2. These concentrations are below Acceptable Surface Contamination Levels from 30 TAC 336.364 Appendix G and meets WCS's WAC, Section 9.0, Exempt Radioactive Waste as defined by 30 TAC 336.5, and is acceptable for disposal in the Industrial/RCRA cell at Waste Control Specialist.

There is no record of pesticides/herbicides being manufactured, stored, or disposed of at this site.

Section 6 - Work Control Documentation

Do the procedures for this process cover how to manage this waste? Yes No (provide comments)

Do the procedures for this process address controls to prevent changes to waste constituents and concentrations or addition or removal of waste to/from containers? Yes No (provide comments)

Comments:

Section 7 - Packaging and Storage Control

Describe how the waste will be packaged in according to the applicable WAC.
Per D.O.T. and TSDF

Identify the storage management controls that will be used for this waste stream: (check all that apply)

Tamper Indication Devices Limited use locks with log-in for waste Locked cabinet or building Other (describe) Secured Area

Section 8 - Waste Certification Statements

Waste appears to meet WAC attachment for: SW-OTHER

Waste stream needs exception/exemption for treatment, storage, or disposal.

Waste does not meet the criteria for any known TSDF. (DOE approval is required. Contact the office of the Principle Associate Director for Weapons Programs [PADWP] for assistance.)

Waste Generator Certification: Based on my knowledge of the waste and/or chemical/physical analysis, I certify that the waste characterization information on this form is correct and that it meets the requirements of the applicable waste acceptance criteria. I understand that this information will be made available to regulatory agencies and that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Signature: RONALD R JR DESOTEL (212070) Date: 04/23/13 02:29 PM

Waste Management Coordinator: I have reviewed this form and any associated attachments and the characterization information provided appears to be complete and accurate. I certify, to the best of my knowledge, that the waste characterization information provided by the waste generator meets the requirements of the applicable WAC.

Signature: RONALD R JR DESOTEL (212070) Date: 04/23/13 02:29 PM

Attachment 4 - LDR and UHC

Identify category and presence of any constituents listed below (equal to or above limit).

Non-Wastewater/Wastewater Category (check only one)
 Non Wastewater Wastewater [as defined by 40 CFR 268.2(f)] Lab Pack [40 CFR 268.2(f)] **Sign Certification #1**

Notifications and Certifications - Check the applicable boxes

Generator Requirements:
 This shipment contains hazardous waste contaminated soil that does not meet treatment standards **Sign Certification #2**
 This shipment contains untreated hazardous debris to be treated to 40 CFR 268.45 treatment standards **(No certification)**
 Hazardous wastes (except soil) meeting treatment standards at point of generation **Sign Certification #3**
 Hazardous wastes contaminated soil meeting treatment standards at point of generation **Sign Certification #4**

TSDF or Generator Treatment:
 TSDF treated hazardous debris meeting the alternative treatment standards of 40 CFR 268.45 **Sign Certification #5**
 Generator treated hazardous debris meeting the alternative treatment standards of 40 CFR 268.45 **Sign Certification #6**
 Hazardous wastes contaminated soil treated to 40 CFR 268.49 **Sign Certification #7**
 Wastes or residues from characteristic hazardous waste treatment meeting treatment standards and UTS **Sign Certification #8**
 Wastes or residues from characteristic hazardous waste treatment not meeting UTS **Sign Certification #9**
 Other TSDF wastes meeting the more stringent 40 CFR 268.40 treatment standards to be land disposed **Sign Certification #10**
 Other generator wastes meeting the more stringent 40 CFR 268.40 treatment standards to be land disposed **Sign Certification #11**

Notification of Underlying Hazardous Constituents

(Check the applicable underlying constituents above the concentration levels for D001 through D043 characteristic wastes only)

No Underlying Hazardous Constituents in this waste stream.

Organic Constituents	CASRN	Wastewater Standard (mg/L)	Non Wastewater Standard (mg/kg unless noted otherwise)	Hazardous Soil 10Xs UTS (mg/kg unless noted otherwise)
<input type="checkbox"/> Acenaphthene	83-32-9	0.059	3.4	34.0
<input type="checkbox"/> Acenaphthylene	208-96-8	0.059	3.4	34.0
<input type="checkbox"/> Acetone	67-64-1	0.28	160.0	1600.0
<input type="checkbox"/> Acetonitrile	75-05-8	5.6	38.0	380.0
<input type="checkbox"/> Acetophenone	98-86-2	0.01	9.7	97.0
<input type="checkbox"/> 2-Acetylaminofluorene	53-96-3	0.059	140.0	1400.0
<input type="checkbox"/> Acrolein	107-02-8	0.29	N/A	N/A
<input type="checkbox"/> Acrylamide	79-06-1	19.0	23.0	230.0
<input type="checkbox"/> Acrylonitrile	107-13-1	0.24	84.0	840.0
<input type="checkbox"/> Aldicarb sulfone	1646-88-4	0.056	0.28	2.8
<input type="checkbox"/> Aldrin	309-00-2	0.021	0.066	0.66
<input type="checkbox"/> 4-Aminobiphenyl	92-67-1	0.13	N/A	N/A
<input type="checkbox"/> Aniline	62-53-3	0.81	14.0	140.0
<input type="checkbox"/> o-Anisidine	90-04-0	0.01	0.66	6.6
<input type="checkbox"/> Anthracene	120-12-7	0.059	3.4	34.0
<input type="checkbox"/> Aramite	140-57-8	0.36	N/A	N/A
<input type="checkbox"/> alpha-BHC	319-84-6	0.00014	0.066	0.66
<input type="checkbox"/> beta-BHC	319-85-7	0.00014	0.066	0.66
<input type="checkbox"/> delta-BHC	319-86-8	0.023	0.066	0.66
<input type="checkbox"/> Barban	101-27-9	0.056	1.4	14.0
<input type="checkbox"/> Bendiocarb	22781-23-3	0.056	1.4	14.0
<input type="checkbox"/> Benomyl	17804-35-2	0.056	1.4	14.0
<input type="checkbox"/> Benz[a]anthracene	56-55-3	0.059	3.4	34.0
<input type="checkbox"/> Benzal chloride	98-87-3	0.055	6.0	60.0
<input type="checkbox"/> Benzene	71-43-2	0.14	10.0	100.0
<input type="checkbox"/> Benzo(b)fluoranthene	205-99-2	0.11	6.8	68.0
<input type="checkbox"/> Benzo[a]pyrene	50-32-8	0.061	3.4	34.0
<input type="checkbox"/> Benzo[ghi]perylene	191-24-2	0.0055	1.8	18.0
<input type="checkbox"/> Benzo[k]fluoranthene	207-08-9	0.11	6.8	68.0
<input type="checkbox"/> Bis(2-Chloroethoxy)methane	111-91-1	0.036	7.2	72.0
<input type="checkbox"/> Bis(2-chloroethyl) ether	111-44-4	0.033	6.0	60.0
<input type="checkbox"/> Bis(2-chloroisopropyl) ether	39638-32-9	0.055	7.2	72.0
<input type="checkbox"/> Bis(2-ethylhexyl) phthalate	117-81-7	0.28	28.0	280.0
<input type="checkbox"/> Bromodichloromethane	75-27-4	0.35	15.0	150.0
<input type="checkbox"/> Bromomethane	74-83-9	0.11	15.0	150.0
<input type="checkbox"/> 4-Bromophenyl phenyl ether	101-55-3	0.055	15.0	150.0
<input type="checkbox"/> n-Butyl alcohol	71-36-3	5.6	2.6	26.0
<input type="checkbox"/> Butyl benzyl phthalate	85-68-7	0.017	28.0	280.0
<input type="checkbox"/> Butylate	2008-41-5	0.042	1.4	14.0
<input type="checkbox"/> Carbaryl	63-25-2	0.006	0.14	1.4

Organic Constituents	CASRN	Wastewater Standard (mg/L)	Non Wastewater Standard (mg/kg unless noted otherwise)	Hazardous Soil 10Xs UTS (mg/kg unless noted otherwise)
<input type="checkbox"/> Carbendazim	10605-21-7	0.056	1.4	14.0
<input type="checkbox"/> Carbofuran	1563-66-2	0.006	0.14	1.4
<input type="checkbox"/> Carbofuran phenol	1563-38-8	0.056	1.4	14.0
<input type="checkbox"/> Carbon disulfide	75-15-0	3.8	4.8	48.0
<input type="checkbox"/> Carbon tetrachloride	56-23-5	0.057	6.0	60.0
<input type="checkbox"/> Carbosulfan	55285-14-8	0.028	1.4	14.0
<input type="checkbox"/> Chlordane	57-74-9	0.0033	0.26	2.6
<input type="checkbox"/> p-Chloro-m-cresol	59-50-7	0.018	14.0	140.0
<input type="checkbox"/> p-Chloroaniline	106-47-8	0.46	16.0	160.0
<input type="checkbox"/> Chlorobenzene	108-90-7	0.057	6.0	60.0
<input type="checkbox"/> Chlorobenzilate	510-15-6	0.1	N/A	N/A
<input type="checkbox"/> Chlorodibromomethane	124-48-1	0.057	15.0	150.0
<input type="checkbox"/> Chloroethane	75-00-3	0.27	6.0	60.0
<input type="checkbox"/> 2-Chloroethyl vinyl ether	110-75-8	0.062	N/A	N/A
<input type="checkbox"/> Chloroform	67-66-3	0.046	6.0	60.0
<input type="checkbox"/> Chloromethane	74-87-3	0.19	30.0	300.0
<input type="checkbox"/> 2-Chloronaphthalene	91-58-7	0.055	5.6	56.0
<input type="checkbox"/> 2-Chlorophenol	95-57-8	0.044	5.7	57.0
<input type="checkbox"/> Chloroprene	126-99-8	0.057	0.28	2.8
<input type="checkbox"/> 3-Chloropropylene	107-05-1	0.036	30.0	300.0
<input type="checkbox"/> Chrysene	218-01-9	0.059	3.4	34.0
<input type="checkbox"/> p-Cresidine	120-71-8	0.01	0.66	6.6
<input type="checkbox"/> m-Cresol	108-39-4	0.77	5.6	56.0
<input type="checkbox"/> o-Cresol	95-48-7	0.11	5.6	56.0
<input type="checkbox"/> p-Cresol	106-44-5	0.77	5.6	56.0
<input type="checkbox"/> m-Cumenyl methylcarbamate	64-00-6	0.056	1.4	14.0
<input type="checkbox"/> Cyanide (Amenable)	57-12-5*	0.86	30.0	300.0
<input type="checkbox"/> Cyanide (Total)	57-12-5	1.2	590.0	5900.0
<input type="checkbox"/> Cyclohexanone	108-94-1	0.36	0.75	7.5
<input type="checkbox"/> 2,4-D	94-75-7	0.72	10.0	100.0
<input type="checkbox"/> o,p'-DDD	53-19-0	0.023	0.087	0.87
<input type="checkbox"/> p,p'-DDD	72-54-8	0.023	0.087	0.87
<input type="checkbox"/> o,p'-DDE	3424-82-6	0.031	0.087	0.87
<input type="checkbox"/> p,p'-DDE	72-55-9	0.031	0.087	0.87
<input type="checkbox"/> o,p'-DDT	789-02-6	0.0039	0.087	0.87
<input type="checkbox"/> p,p'-DDT	50-29-3	0.0039	0.087	0.87
<input type="checkbox"/> Di-n-butyl phthalate	84-74-2	0.057	28.0	280.0
<input type="checkbox"/> Di-n-octyl phthalate	117-84-0	0.017	28.0	280.0
<input type="checkbox"/> Di-n-propylnitrosamine	621-64-7	0.4	14.0	140.0
<input type="checkbox"/> Dibenz[a,h]anthracene	53-70-3	0.055	8.2	82.0
<input type="checkbox"/> Dibenz[a,e]pyrene	192-65-4	0.061	N/A	N/A
<input type="checkbox"/> 1,2-Dibromo-3-chloropropane	96-12-8	0.11	15.0	150.0
<input type="checkbox"/> 1,2-Dibromoethane	106-93-4	0.028	15.0	150.0
<input type="checkbox"/> Dibromomethane	74-95-3	0.11	15.0	150.0
<input type="checkbox"/> 1,4-Dichlorobenzene	106-46-7	0.09	6.0	60.0
<input type="checkbox"/> m-Dichlorobenzene	541-73-1	0.036	6.0	60.0
<input type="checkbox"/> o-Dichlorobenzene	95-50-1	0.088	6.0	60.0
<input type="checkbox"/> Dichlorodifluoromethane	75-71-8	0.23	7.2	72.0
<input type="checkbox"/> 1,1-Dichloroethane	75-34-3	0.059	6.0	60.0
<input type="checkbox"/> 1,2-Dichloroethane	107-06-2	0.21	6.0	60.0
<input type="checkbox"/> 1,1-Dichloroethylene	75-35-4	0.025	6.0	60.0
<input type="checkbox"/> trans-1,2-Dichloroethylene	156-60-5	0.054	30.0	300.0
<input type="checkbox"/> 2,4-Dichlorophenol	120-83-2	0.044	14.0	140.0
<input type="checkbox"/> 2,6-Dichlorophenol	87-65-0	0.044	14.0	140.0
<input type="checkbox"/> 1,2-Dichloropropane	78-87-5	0.85	18.0	180.0
<input type="checkbox"/> trans-1,3-Dichloropropene	10061-02-6	0.036	18.0	180.0
<input type="checkbox"/> cis-1,3-Dichloropropylene	10061-01-5	0.036	18.0	180.0
<input type="checkbox"/> Dieldrin	60-57-1	0.017	0.13	1.3
<input type="checkbox"/> Diethyl phthalate	84-66-2	0.2	28.0	280.0

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<input type="checkbox"/> Dimethyl phthalate	131-11-3	0.047	28.0	280.0
<input type="checkbox"/> p-Dimethylaminoazobenzene	60-11-7	0.13	N/A	N/A
<input type="checkbox"/> 2,4-Dimethylphenol	105-67-9	0.036	14.0	140.0
<input type="checkbox"/> 4,6-Dinitro-o-cresol	534-52-1	0.28	160.0	1600.0
<input type="checkbox"/> 1,4-Dinitrobenzene	100-25-4	0.32	2.3	23.0
<input type="checkbox"/> 2,4-Dinitrophenol	51-28-5	0.12	160.0	1600.0
<input type="checkbox"/> 2,4-Dinitrotoluene	121-14-2	0.32	140.0	1400.0
<input type="checkbox"/> 2,6-Dinitrotoluene	606-20-2	0.55	28.0	280.0
<input type="checkbox"/> Dinoseb	88-85-7	0.066	2.5	25.0
<input type="checkbox"/> 1,4-Dioxane	123-91-1	12.0	170.0	1700.0
<input type="checkbox"/> Diphenylamine	122-39-4	0.92	13.0	130.0
<input type="checkbox"/> 1,2-Diphenylhydrazine	122-66-7	0.087	N/A	N/A
<input type="checkbox"/> Disulfoton	298-04-4	0.017	6.2	62.0
<input type="checkbox"/> Dithiocarbamates (total)	WCATS-001	0.028	28.0	280.0
<input type="checkbox"/> EPTC	759-94-4	0.042	1.4	14.0
<input type="checkbox"/> Endosulfan I	959-98-8	0.023	0.066	0.66
<input type="checkbox"/> Endosulfan II	33213-65-9	0.029	0.13	1.3
<input type="checkbox"/> Endosulfan sulfate	1031-07-8	0.029	0.13	1.3
<input type="checkbox"/> Endrin	72-20-8	0.0028	0.13	1.3
<input type="checkbox"/> Endrin aldehyde	7421-93-4	0.025	0.13	1.3
<input type="checkbox"/> Ethyl acetate	141-78-6	0.34	33.0	330.0
<input type="checkbox"/> Ethyl benzene	100-41-4	0.057	10.0	100.0
<input type="checkbox"/> Ethyl ether	60-29-7	0.12	160.0	1600.0
<input type="checkbox"/> Ethyl methacrylate	97-63-2	0.14	160.0	1600.0
<input type="checkbox"/> Ethylene oxide	75-21-8	0.12	N/A	N/A
<input type="checkbox"/> Famphur	52-85-7	0.017	15.0	150.0
<input type="checkbox"/> Fluoranthene	206-44-0	0.068	3.4	34.0
<input type="checkbox"/> Fluorene	86-73-7	0.059	3.4	34.0
<input type="checkbox"/> Fluoride	16984-48-8	35.0	N/A	N/A
<input type="checkbox"/> Formetanate hydrochloride	23422-53-9	0.056	1.4	14.0
<input type="checkbox"/> Heptachlor (& its epoxide)	76-44-8	0.0012	0.066	0.66
<input type="checkbox"/> Heptachlor epoxide	1024-57-3	0.016	0.066	0.66
<input type="checkbox"/> 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	35822-46-9	0.000035	0.0025	0.025
<input type="checkbox"/> 1,2,3,4,6,7,8-Heptachlorodibenzofuran	67562-39-4	0.000035	0.0025	0.025
<input type="checkbox"/> 1,2,3,4,7,8,9-Heptachlorodibenzofuran	55673-89-7	0.000035	0.0025	0.025
<input type="checkbox"/> Hexachlorobenzene	118-74-1	0.055	10.0	100.0
<input type="checkbox"/> Hexachlorobutadiene	87-68-3	0.055	5.6	56.0
<input type="checkbox"/> Hexachlorocyclopentadiene	77-47-4	0.057	2.4	24.0
<input type="checkbox"/> Hexachloroethane	67-72-1	0.055	30.0	300.0
<input type="checkbox"/> Hexachloropropene	1888-71-7	0.035	30.0	300.0
<input type="checkbox"/> HxCDDs (All Hexachlorodibenzo-p-dioxins)	34465-46-8	0.000063	0.001	0.01
<input type="checkbox"/> HxCDFs (All Hexachlorodibenzo-furans)	55684-94-1	0.000063	0.001	0.01
<input type="checkbox"/> Indeno[1,2,3-cd]pyrene	193-39-5	0.0055	3.4	34.0
<input type="checkbox"/> Iodomethane	74-88-4	0.19	65.0	650.0
<input type="checkbox"/> Isobutyl alcohol	78-83-1	5.6	170.0	1700.0
<input type="checkbox"/> Isodrin	465-73-6	0.021	0.066	0.66
<input type="checkbox"/> Isosafrole	120-58-1	0.081	2.6	26.0
<input type="checkbox"/> Kepone	143-50-0	0.0011	0.13	1.3
<input type="checkbox"/> Lindane (gamma-BHC)	58-89-9	0.0017	0.066	0.66
<input type="checkbox"/> Mercury (Retort Residues)	7439-97-6*	N/A	0.2	2.0
<input type="checkbox"/> Methacrylonitrile	126-98-7	0.24	84.0	840.0
<input type="checkbox"/> Methanol	67-56-1	5.6	0.75	7.5
<input type="checkbox"/> Methapyrilene	91-80-5	0.081	1.5	15.0
<input type="checkbox"/> Methiocarb	2032-65-7	0.056	1.4	14.0
<input type="checkbox"/> Methomyl	16752-77-5	0.028	0.14	1.4
<input type="checkbox"/> Methoxychlor	72-43-5	0.25	0.18	1.8
<input type="checkbox"/> Methyl ethyl ketone	78-93-3	0.28	36.0	360.0
<input type="checkbox"/> Methyl isobutyl ketone	108-10-1	0.14	33.0	330.0
<input type="checkbox"/> Methyl methacrylate	80-62-6	0.14	160.0	1600.0

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<input type="checkbox"/> Methyl methanesulfonate	66-27-3	0.018	N/A	N/A
<input type="checkbox"/> Methyl parathion	298-00-0	0.014	4.6	46.0
<input type="checkbox"/> 3-Methylcholanthrene	56-49-5	0.0055	15.0	150.0
<input type="checkbox"/> 4,4'-Methylene bis(2-chloroaniline)	101-14-4	0.5	30.0	300.0
<input type="checkbox"/> Methylene chloride	75-09-2	0.089	30.0	300.0
<input type="checkbox"/> Metolcarb	1129-41-5	0.056	1.4	14.0
<input type="checkbox"/> Mexacarbate	315-18-4	0.056	1.4	14.0
<input type="checkbox"/> Molinate	2212-67-1	0.042	1.4	14.0
<input type="checkbox"/> N-Nitroso-di-n-butylamine	924-16-3	0.4	17.0	170.0
<input type="checkbox"/> N-Nitrosodiethylamine	55-18-5	0.4	28.0	280.0
<input type="checkbox"/> N-Nitrosodimethylamine	62-75-9	0.4	2.3	23.0
<input type="checkbox"/> N-Nitrosodiphenylamine	86-30-6	0.92	13.0	130.0
<input type="checkbox"/> N-Nitrosomethylethylamine	10595-95-6	0.4	2.3	23.0
<input type="checkbox"/> N-Nitrosomorpholine	59-89-2	0.4	2.3	23.0
<input type="checkbox"/> N-Nitrosopiperidine	100-75-4	0.013	35.0	350.0
<input type="checkbox"/> N-Nitrosopyrrolidine	930-55-2	0.013	35.0	350.0
<input type="checkbox"/> Naphthalene	91-20-3	0.059	5.6	56.0
<input type="checkbox"/> 2-Naphthylamine	91-59-8	0.52	N/A	N/A
<input type="checkbox"/> 5-Nitro-o-toluidine	99-55-8	0.32	28.0	280.0
<input type="checkbox"/> o-Nitroaniline	88-74-4	0.27	14.0	140.0
<input type="checkbox"/> p-Nitroaniline	100-01-6	0.028	28.0	280.0
<input type="checkbox"/> Nitrobenzene	98-95-3	0.068	14.0	140.0
<input type="checkbox"/> o-Nitrophenol	88-75-5	0.028	13.0	130.0
<input type="checkbox"/> p-Nitrophenol	100-02-7	0.12	29.0	290.0
<input type="checkbox"/> 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	3268-87-9	0.000063	0.005	0.05
<input type="checkbox"/> 1,2,3,4,6,7,8,9-Octachlorodibenzofuran	39001-02-0	0.000063	0.005	0.05
<input type="checkbox"/> Oxamyl	23135-22-0	0.056	0.28	2.8
<input type="checkbox"/> Parathion	56-38-2	0.014	4.6	46.0
<input type="checkbox"/> PeCDDs (All Pentachlorodibenzo-p-dioxins)	36088-22-9	0.000063	0.001	0.01
<input type="checkbox"/> PeCDFs (All Pentachlorodibenzo-furans)	30402-15-4	0.000035	0.001	0.01
<input type="checkbox"/> Pebulate	1114-71-2	0.042	1.4	14.0
<input type="checkbox"/> Pentachlorobenzene	608-93-5	0.055	10.0	100.0
<input type="checkbox"/> Pentachloroethane	76-01-7	0.055	6.0	60.0
<input type="checkbox"/> Pentachloronitrobenzene	82-68-8	0.055	4.8	48.0
<input type="checkbox"/> Pentachlorophenol	87-86-5	0.089	7.4	74.0
<input type="checkbox"/> Phenacetin	62-44-2	0.081	16.0	160.0
<input type="checkbox"/> Phenanthrene	85-01-8	0.059	5.6	56.0
<input type="checkbox"/> Phenol	108-95-2	0.039	6.2	62.0
<input type="checkbox"/> o-Phenylenediamine	95-54-5	N/A	N/A	N/A
<input type="checkbox"/> Phorate	298-02-2	0.021	4.6	46.0
<input type="checkbox"/> Phthalic acid	100-21-0	0.055	28.0	280.0
<input type="checkbox"/> Phthalic anhydride	85-44-9	0.055	28.0	280.0
<input type="checkbox"/> Physostigmine	57-47-6	0.056	1.4	14.0
<input type="checkbox"/> Physostigmine salicylate	57-64-7	0.056	1.4	14.0
<input type="checkbox"/> Promecarb	2631-37-0	0.056	1.4	14.0
<input type="checkbox"/> Pronamide	23950-58-5	0.093	1.5	15.0
<input type="checkbox"/> Propanenitrile	107-12-0	0.24	360.0	3600.0
<input type="checkbox"/> Propham	122-42-9	0.056	1.4	14.0
<input type="checkbox"/> Propoxur	114-26-1	0.056	1.4	14.0
<input type="checkbox"/> Prosulfocarb	52888-80-9	0.042	1.4	14.0
<input type="checkbox"/> Pyrene	129-00-0	0.067	8.2	82.0
<input type="checkbox"/> Pyridine	110-86-1	0.014	16.0	160.0
<input type="checkbox"/> Safrole	94-59-7	0.081	22.0	220.0
<input type="checkbox"/> Sulfide	18496-25-8	14.0	N/A	N/A
<input type="checkbox"/> 2,4,5-T	93-76-5	0.72	7.9	79.0
<input type="checkbox"/> TCDDs (All Tetrachlorodi-benzo-p-dioxins)	41903-57-5	0.000063	0.001	0.01
<input type="checkbox"/> TCDFs (All Tetrachlorodibenzofurans)	30402-14-3	0.000063	0.001	0.01
<input type="checkbox"/> 2,4,5-TP (Silvex)	93-72-1	0.72	7.9	79.0
<input type="checkbox"/> 1,2,4,5-Tetrachlorobenzene	95-94-3	0.055	14.0	140.0

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<input type="checkbox"/>	1,1,1,2-Tetrachloroethane	630-20-6	0.057	6.0	60.0
<input type="checkbox"/>	1,1,2,2-Tetrachloroethane	79-34-5	0.057	6.0	60.0
<input type="checkbox"/>	Tetrachloroethylene	127-18-4	0.056	6.0	60.0
<input type="checkbox"/>	2,3,4,6-Tetrachlorophenol	58-90-2	0.03	7.4	74.0
<input type="checkbox"/>	Thiodicarb	59669-26-0	0.019	1.4	14.0
<input type="checkbox"/>	Thiophanate-methyl	23564-05-8	0.056	1.4	14.0
<input type="checkbox"/>	Toluene	108-88-3	0.08	10.0	100.0
<input type="checkbox"/>	Total PCBs (Polychlorinated biphenyls)	1336-36-3	0.1	10.0	100.0
<input type="checkbox"/>	Toxaphene	8001-35-2	0.0095	2.6	26.0
<input type="checkbox"/>	Triallate	2303-17-5	0.042	1.4	14.0
<input type="checkbox"/>	Tribromomethane	75-25-2	0.63	15.0	150.0
<input type="checkbox"/>	2,4,6-Tribromophenol	118-79-6	0.035	7.4	74.0
<input type="checkbox"/>	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.057	30.0	300.0
<input type="checkbox"/>	1,2,4-Trichlorobenzene	120-82-1	0.055	19.0	190.0
<input type="checkbox"/>	1,1,1-Trichloroethane	71-55-6	0.054	6.0	60.0
<input type="checkbox"/>	1,1,2-Trichloroethane	79-00-5	0.054	6.0	60.0
<input type="checkbox"/>	Trichloroethylene	79-01-6	0.054	6.0	60.0
<input type="checkbox"/>	Trichloromonofluoromethane (R11)	75-69-4	0.02	30.0	300.0
<input type="checkbox"/>	2,4,5-Trichlorophenol	95-95-4	0.18	7.4	74.0
<input type="checkbox"/>	2,4,6-Trichlorophenol	88-06-2	0.035	7.4	74.0
<input type="checkbox"/>	1,2,3-Trichloropropane	96-18-4	0.85	30.0	300.0
<input type="checkbox"/>	Triethylamine	121-44-8	0.081	1.5	15.0
<input type="checkbox"/>	Tris(2,3-dibromopropyl) phosphate	126-72-7	0.11	0.1	1.0
<input type="checkbox"/>	Vernolate	1929-77-7	0.042	1.4	14.0
<input type="checkbox"/>	Vinyl chloride	75-01-4	0.27	6.0	60.0
<input type="checkbox"/>	Xylene	1330-20-7	0.32	30.0	300.0
<input type="checkbox"/>	2,4-Xylidine	95-68-1	0.01	0.66	6.6
<input type="checkbox"/>	Antimony	7440-36-0	1.9	1.15	11.5
<input type="checkbox"/>	Arsenic	7440-38-2	1.4	5.0	50.0
<input type="checkbox"/>	Barium	7440-39-3	1.2	21.0	210.0
<input type="checkbox"/>	Beryllium	7440-41-7	0.82	1.22	12.2
<input type="checkbox"/>	Cadmium	7440-43-9	0.69	0.11	1.1
<input type="checkbox"/>	Chromium	7440-47-3	2.77	0.6	6.0
<input type="checkbox"/>	Lead	7439-92-1	0.69	0.75	7.5
<input type="checkbox"/>	Mercury	7439-97-6	0.15	0.025	0.25
<input type="checkbox"/>	Nickel	7440-02-0	3.98	11.0	110.0
<input type="checkbox"/>	Selenium	7782-49-2	0.82	5.7	57.0
<input type="checkbox"/>	Silver	7440-22-4	0.43	0.14	1.4
<input type="checkbox"/>	Thallium	7440-28-0	1.4	0.2	2.0
<input type="checkbox"/>	Vanadium	7440-62-2	4.3	1.6	16.0
<input type="checkbox"/>	Zinc	7440-66-6	2.61	4.3	43.0

Attachment 1 - Additional Radionuclides

Please list the supplementary radionuclides and their concentration values.

Attachment #1**Acceptable Knowledge Package WSP40500**

1. What process produces the waste?

Answer: This waste was generated during housekeeping of TA-54, Area G, Boneyard.

2. How is it known the waste does not contain a RCRA hazardous waste?

Answer: Waste debris was walked down by LANL personnel to identify any potential hazardous components, such as CTR's, circuit boards, batteries, etc. Any hazardous components identified were segregated from the non-hazardous waste debris. LANL personnel were present to verify the contents as it was being packaged into the waste container.

3. If radioactive, how have the radionuclide's and their concentrations been determined and why are the analytical methods used appropriate?

Answer: Debris consists of equipment that was stored in an open area at TA-54 Area G, Boneyard. The source of any suspect surface radiological contamination would be contributed to the surrounding area. The radiological values assigned to this waste stream were determined based on highest detects of soil samples for the previous 4 years, taken from within and around Area G perimeter, which are documented in the LANL Environmental Report Summary for 2011, 2010, 2009, and 2008. This AK was developed in 2012. Since the data is based on the highest soil values collected over 4 years, the characterization is very conservative for soil. H3 was not included in the distribution since the debris is mostly dry non-porous material. See attached "Area G" Values.

4. How is it known there aren't any prohibited items in the waste? (free liquids, PCBs, explosives, reactives, etc.)

Answer: See Answer to Question 2.

³ H (pCi/mL)			²⁴¹ Am (pCi/g)			²³⁸ Pu (pCi/g)			^{239,240} Pu (pCi/g)			²³⁴ U (pCi/g)			²³⁵ U (pCi/g)			²³⁸ U (pCi/g)		
Result	3TPU		Result	3TPU		Result	3TPU		Result	3TPU		Result	3TPU		Result	3TPU		Result	3TPU	
164	38	202	0.40	0.12	0.52	0.59	0.15	0.74	5.0	1.2	6.2	1.20	0.33	1.53	0.071	0.054	0.125	1.1	0.30	1.40
169	39	208	0.36	0.12	0.48	0.27	0.096	0.366	1.7	0.45	2.15	1.0	0.29	1.29	0.059	0.033	0.092	1.1	0.29	1.39
0.030	0.39	0.42	0.15	0.051	0.201	1.5	0.39	1.89	0.32	0.093	0.413	1.1	0.36	1.46	0.060	0.063	0.123	1.3	0.42	1.72
538	123	661	0.34	0.12	0.46	0.24	0.075	0.315	1.2	0.33	1.53	1.1	0.27	1.37	0.055	0.020	0.075	1.3	0.30	1.60

Around Perimeter of Area G in 2011 (Table S7-3) In Print
 Area G 2010 (Table S7-3) LA-14445-ENV
 Area G 2009 (Table S7-1) LA-14427-ENV
 Area G 2008 (Table S7-3) LA-14407-ENV

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NAPA® NAPA EP WHEEL BEARING
 GREASE GREASE NP75600

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Ashland	Regulatory Information Number	1-800-325-3751
P.O. Box 2219	Telephone	614-790-3333
Columbus, OH 43216	Emergency telephone number	1-800-ASHLAND (1-800-274-5263)

Product name	NAPA® NAPA EP WHEEL BEARING GREASE GREASE
Product code	NP75600
Product Use Description	No data

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance: solid, amber

CAUTION! Moderate skin irritant, Moderate eye irritant.

Potential Health Effects

Routes of exposure

Skin contact

Eye contact

Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.

Skin contact

May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns.

Ingestion

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful.

Inhalation

It is possible to breathe this material under certain conditions of handling and use (for example, during heating, spraying, or stirring). Breathing small amounts of this

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material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful.

Aggravated Medical Condition

Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin

Symptoms

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea)

Target Organs

No data

Carcinogenicity

No data

Reproductive hazard.

No data

Other information

No data

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Concentration
PETROLEUM BASED GREASE		<=100%

4. FIRST AID MEASURES

Eyes

If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.

Skin

Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Ingestion

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Do not induce vomiting. Give one glass of milk or water, and get medical attention immediately. If possible, do not leave victim unattended.

Inhalation

If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

Notes to physician**Hazards:** No information available.**Treatment:** No information available.**5. FIRE-FIGHTING MEASURES****Suitable extinguishing media**

carbon dioxide (CO₂), dry chemical, foam
carbon dioxide (CO₂), dry chemical, foam

Hazardous combustion products

May form: carbon dioxide and carbon monoxide, various hydrocarbons

Precautions for fire-fighting

Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA). DO NOT direct a solid stream of water or foam into hot, burning pools of liquid since this may cause frothing and increase fire intensity. Frothing can be violent and possibly endanger any firefighter standing too close to the burning liquid.

Flammability Class for Flammable Liquids

Combustible Liquid Class IIIB

6. ACCIDENTAL RELEASE MEASURES**Personal precautions**

No data

Environmental precautions

No data

Methods for cleaning up

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Shovel material into containers. Thoroughly sweep area of spill to clean up any residual material.

7. HANDLING AND STORAGE**Handling**

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed.

Storage

No data

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Exposure Guidelines****General advice**

These recommendations provide general guidance for handling this product. Personal protective equipment should be selected for individual applications and should consider factors which affect exposure potential, such as handling practices, chemical concentrations and ventilation. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities.

Exposure controls

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

Eye protection

Wear safety glasses in compliance with OSHA regulations. (Consult your safety representative.)

Skin and body protection

Wear normal work clothing covering arms and legs. Wear resistant gloves such as: Neoprene

Respiratory protection

If workplace exposure limit(s) of product or any component is exceeded (see exposure guidelines), a NIOSH-approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH respirators

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(negative pressure type) under specified conditions (see your industrial hygienist).
Engineering or administrative controls should be implemented to reduce exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	solid
Form	Semisolid, gel,
Colour	amber
Odour	No data
Boiling point/range	700.0 °F / 371.1 °C
pH	No data
Flash point	450 °F / 232 °C
Evaporation rate	No data
Explosion limits	No data
Vapour pressure	No data
Vapour density	No data
Density	0.95 g/cm ³ @ 60.1 °F / 15.6 °C
	No data
Solubility	No data
Partition coefficient (n-octanol/water)	No data
Autoignition temperature	No data

10. STABILITY AND REACTIVITY

Stability

Stable

Conditions to avoid

None known.

Incompatible products

Avoid contact with: strong oxidizing agents

Hazardous decomposition products

May form: carbon dioxide and carbon monoxide, various hydrocarbons

Hazardous reactions

Product will not undergo hazardous polymerization.

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Version: 1.4**Thermal decomposition**

No data

11. TOXICOLOGICAL INFORMATION**Acute oral toxicity****Acute inhalation toxicity****Acute dermal toxicity****12. ECOLOGICAL INFORMATION****Aquatic toxicity****Acute and Prolonged Toxicity to Fish**

No data

Acute Toxicity to Aquatic Invertebrates

No data

Environmental fate and pathways

No data

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with all applicable local, state and federal regulations.

14. TRANSPORT INFORMATION

Dangerous goods descriptions may not reflect package size, quantity, end-use or region-specific exceptions that can be applied to shipments. Consult shipping documents for material-specific descriptions.

15. REGULATORY INFORMATION**California Prop. 65**

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SARA Hazard Classification Acute Health Hazard

SARA 313 Component(s)

OSHA Hazards Moderate skin irritant
 Moderate eye irritant

	Health	Flammability	Reactivity	Other
HMIS				No data
NFPA	1	1	1	

16. OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

This MSDS has been prepared by Ashland's Environmental Health and Safety Department (1-800-325-3751).

ENCLOSURE 6

TA-54 Operations Center Logbook Excerpt,
Dated April 15, 2013

ADESH-13-052

LAUR-13-27616

Date: October 3, 2013

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Monday April 15, 2013

O.C.O. Log

- 1410 RANT, R. Martinez, injured employ has been placed on restrictions, No lifting of 50 lbs, no pushing, no pulling, he will report to Bartlett occ. med per Bartlett's instructions, OCC. med is scheduled re-evaluation for 4-22-13 at 1310.
- 1415 LTP-Sup. Drum # SB50554 has been vented.
- 1419 LTP-Sup. Venting Drum # SB52928.
- 1422 Area L - A. Romero, work release rounds completed
- 1425 Transfer O.C.O. duties to Daniel Romero.
- 1425 ASSUME OCO DUTIES *[Signature]*
- 1510 EVACUATION ALARM TESTING IN AREA L IS BEING PERFORMED
- 1513 I. ARAGON REPORTS PRELIMINARY >200 FGE DRUM AT HENC 1, DRUM # 93008
- * 1519 C. CARMAN REPORTS AREA L ALARMS NOT RESPONDING.
- 1523 J. QUINTANA NOTIFIED ABOUT ALARMS AND ASKED ABOUT POSSIBLE WORK IN THE AREA THAT MAY HAVE AFFECTED OR COULD POSSIBLY AFFECT ALARMS.
- * 1535 PA ANNOUNCEMENT MADE ALARMS NOT WORKING, COMMUNICATIONS WILL BE MADE VIA Pagers, RADIO AND PA.
- 1537 PIC, J. GARCIA, NOTIFIED ABOUT ALARMS LOSS.
- 1538 G. WELSH NOTIFIES EOC ABOUT LOSS OF EVACUATION ALARMS.
- 1539 E. RUY AND R. MARTINEZ NOTIFIED ABOUT LOSS OF EVACUATIONS
- 1539 G. WELSH NOTIFIES SOC-LA ABOUT LOSS OF EVACUATION ALARMS
- 1540 J. MARTINEZ, C. ELLIS NOTIFIED ABOUT LOSS OF EVACUATION AL
- 1542 P. MARTINEZ NOTIFIED ABOUT LOSS OF EVACUATION ALARMS.
- 1542 DOME 375 RADIO CHECK
- 1544 PCT, J. GUY NOTIFIED ABOUT EVACUATION ALARMS
- 1545 D. FAULK NOTIFIED LOSS OF EVACUATION ALARMS
- 1547 PER J. QUINTANA SEND NUC OPERATOR TO VERIFY ALARM WITHIN CONTROLLED AREA.
- 1550 D. RODRIGUEZ NOTIFIED ABOUT LOSS OF EVACUATION ALARMS.
- 1551 J. QUINTANA NOTIFIED NONE OF ALARMS WORKING.
- * 1559 PER B. WALKER NO ONE WILL BE ~~AVAILABLE~~ ^{OR} ^{4/15/13} ~~BACK TO~~ AVAILABLE TO WORK ON ALARMS UNTIL AFTER ALL HANDS
- 1601 SOS NOTIFIED SUM THAT PER J. QUINTANA LAST TIME ALARMS WERE CHECKED ON 4/3/13.
- 1602 LTP SUPERVISOR NOTIFIES DRUM SB52928 HAS BEEN VENTED