| GO NO. S/A NO. | PAGE 1 OF | | TOTAL PAGES | REV LTR/CHG NO. | NUMBER |
|----------------------|------------------|---------|-----------------|---|---------------------|
| 96075 3210 | 36 | | 36 | SEE SUMMARY OF CHG | N001TI0003 |
| PROGRAM TITLE | | | | ł | |
| Decommissioning | g Surplus Facili | ties | | and a set of the | |
| DOCUMENT TITLE | | | | | |
| Building T028 De | econtamination | and I | Demolition Fina | al Report | |
| | | | | | |
| | | | . KEY | NOUNS | ding 029 |
| lechnical informa | | | | | ung 028 |
| DRIGINAL ISSUE DATE | REL.D | | APP | ROVALS | DA |
| 6-6-90 | 06- | 6-9 | | R. McCurnin | ~~~~~ |
| REPARED BY/DATE | DEPT | | MAIL ADDR | | |
| A. Klein | 63 | 35 | T020 | | |
| | | | | | |
| F YES, ENTER TPA NO. | | 1 . = - | | | |
| | MAI | ABS | TRACT | | • • |
| | | B b | uilding 028 pre | viously housed an TR facility. It was o | irradiation react |
| *E. L. Babcock | 1020 | | ontaminated, a | nd released for uni | restricted use in 3 |
| *R. S. Frazier | T020 |) w | ranium oxide n | elting experiment | was later conduc |
| *G. Gaylord | T038 | fa fa | cility which co | ntaminated the exp | perimental equip |
| *J. M. Harris | T00 9 |) 0 | her portions o | t the facility. In or | der to reduce the |
| *P. H. Horton | T03 4 | er | ivironmental n | sks and avoid the | costs of mainten |
| *W. R. McCurnin | T020 |) SU | mound the ab | containinateu syst | enis and equipm |
| R. D. Meyer | T009 | | enored for rel | ove ground su delle | d use in April 1 |
| *W. H. Neeley | T487 | | cpared for ren | and tot attraction | |
| *F. C. Schrag | T02(| | | | |
| R. J. Tuttle | T100 | 2 | | | |
| *M. J. Tessier | T038 | § . | | | |
| *Building 009 | 1009 | 21 | • | | |
| * Working Copy F | ile 1009 | 21 | · · · · · | | |
| - Authorization It | Name FIO | 2 | | м. | |
| | • | | | 1944 - C. | |
| | | | | | |
| | | | | | |
| · | | 1 | | | |
| | | RESI | ERVED FOR PROPR | IETARY/LEGAL NOTICE | 5 |
| | | | | _ | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| D635-0109/sjh | | | | | |
| COMPLETE DOCUME | INT | - | | | |
| NO ASTERISK, TITL | E PAGE/SUMMARY | | | | |
| OF CHANGE | PAGE ONLY | | | | |

CONTENTS

| 1.0 | IN] | TRODUCTION | 3 |
|-----|------|---|----|
| 2.0 | FAC | CILITY DESCRIPTION | б |
| | 2.1 | GENERAL | 6 |
| | 2.2 | ROOM 102A | б |
| | 2.3 | ROOM B-101 | 6 |
| 3.0 | SUI | MMARY OF ACTIVITIES | 7 |
| | 3.1 | SURPLUS URANIUM OXIDE DISPOSAL | 8 |
| | 3.2 | EQUIPMENT DECONTAMINATION | 8 |
| | 3.3 | BUILDING SURFACES DECONTAMINATION | 8 |
| | 3.4 | FILTER SYSTEM DECONTAMINATION, REMOVAL AND DISPOSAL | 8 |
| | 3.5 | FURNACE DECONTAMINATION, REMOVAL AND SHIPMENT | 9 |
| | 3.6 | MISCELLANEOUS CLEANUP | 9 |
| | 3.7 | FINAL SURVEYS | 9 |
| | 3.8 | BUILDING DEMOLITION | 9 |
| | 3.9 | DISPOSAL OF RADIOACTIVE WASTE | 10 |
| | 3.10 | PERSONNEL DOSIMETRY | 10 |
| 4.0 | CO | STS | 11 |
| | 4.1 | FINAL ACTUALS | 11 |
| 5.0 | RE | FERENCES | 12 |
| AP] | PENI | DICES | 13 |

TABLE

| Ш-1. | Building T028 Decontamination, Decommissioning, and | |
|------|---|---|
| | Demolition Procedures | 7 |

surveys or resurveys of selected sites were initiated in 1985. Sites surveyed in these recent investigations included the Old Conservation Yard (OCY), Building T064 Side Yard, and Building T028.

From 1952 until 1977, the OCY and surrounding land areas were used for the storage of excessed equipment some of which was contaminated with either uranium or mixed fission products. The 1988 radiological survey of the OCY identified elevated concentrations of Cs-137 in soil, with assumed equivalent concentrations of Sr-90. Although there is no available confirming documentation, the source of the contamination is believed to be the result of a contaminated liquid spill. The area was further investigated to delineate the areal extent of contamination. This investigation identified a 37 m² (400 ft²) area with contamination to a depth of 15 cm (6 in). A Cs-137 clean-up guideline was established through the use of the DOE computer code RESRAD.¹ Contaminated soil was excavated, and post-remedial action measurements and sampling were performed and documented.

Building T064, which was formerly known as the Source and Special Nuclear Material Storage Facility, was used for the storage of packaged items of source and special nuclear materials prior to 1980; it is currently used to store non-nuclear components and equipment and metal boxes containing low-level contaminated soil. Site history indicates that the area around the building and the side yard was occasionally used for storage of recoverable uranium scrap, irradiated fuel elements, and miscellaneous radioactive wastes, which included in the early 1960's a lead-pig cask containing irradiated "Seawolf" fuel and contaminated water. The drain plug in the cask failed, allowing the water to leak onto the Side Yard. A 65 m² area was excavated immediately following the incident; however, a 1988 comprehensive radiological survey of the area around Building T064 identified elevated soil concentrations of Cs-137 (assumed equivalent amount of Sr-90). Further investigations determined that a 47 m² area of contamination was located within the northeast fence line and extended in a northeast direction past the fence line over an additional area of 370 m². A Cs-137 guideline was developed and the top 41 cm of soil was subsequently excavated from the area and a post-remedial action survey performed and documented.

Santa Susana Field Laboratory - October 12, 1993

64

2

Building T028 housed the Shield Test Reactor (STR) from 1961 until 1964, at which time STR was modified and renamed the Shield Test and Irradiation Reactor (STIR) which operated until 1972. The reactor was dismantled and the building decontaminated. From 1977 to 1981, experiments were conducted in the building to investigate the behavior of molten uranium oxide, which resulted in recontamination of building and equipment surfaces. Decontamination of the building was performed in 1988 and the above-grade portion demolished in 1989, leaving only the concrete slab floor, below-grade concrete test vault, and stairwell intact.

DOE's Office of Environmental Restoration (DOE/ER), Northwestern Area Programs, San Francisco Operations Division is responsible for oversight of a number of remedial actions that have been or will be conducted at the SSFL. It is the policy of DOE to perform independent (third party) verification of remedial action activities conducted within Office of Environmental Restoration programs. The Environmental Survey and Site Assessment Program (ESSAP) of the Oak Ridge Institute for Science and Education (ORISE) has been designated as the organization responsible for this task at SSFL. This report describes the results of the verification surveys.

SITE DESCRIPTION

The SSFL is located near Chatsworth in the Simi Hills of southeastern Ventura County, California, approximately 47 km (29 mi) northwest of downtown Los Angeles (Figure 1). The site is comprised of a total of approximately 1090 hectares (2700 acres) and is divided into four administrative areas (Areas I - IV) and a Buffer Zone. DOE operations are conducted in Rockwell International-owned and DOE-owned facilities located within the 117 ha Area IV. The ETEC portion of Area IV consists of government-owned buildings that occupy 36 ha. The Area IV plot plan is provided in Figure 2 and indicates the locations of those areas addressed by this report.

The OCY is located in the northeast quadrant of Area IV and is a portion of adjacent land groupings totaling 2 ha, termed the Old Energy Systems Group (ESG) Salvage Yard,

Rocketdyne Barrel Storage Yard and the New Salvage yard (also known as T583). The OCY occupies an area at the corner of G Street and the Old Salvage Yard Road (Figure 3). The surface is paved with asphalt and is currently used for trailer storage.

Building T064 is in the northeast quadrant of Area IV, north of and above G Street (Figure 4). The Side Yard is located to the east of T064 and includes an area of approximately 0.8 ha.

Building T028 is located in the north-central portion of Area IV. The above-grade concrete slab is approximately 300 m^2 in area. The below-grade vault measures approximately 60 m^2 with 6 m (20 ft) ceilings. Construction consists of a concrete slab floor with concrete walls and ceiling.

OBJECTIVE

Through document reviews and independent surveys, an independent evaluation is performed. The purpose of the evaluation is to validate that cleanup procedures and survey methods utilized by Rockwell/Rocketdyne were adequate. In addition, independent verification provides assurance that the post-remediation data is sufficient, accurate, and demonstrates that remedial actions were accomplished in accordance with appropriate standards and guidelines, and that authorized limits were met.

DOCUMENT REVIEW

The final decontamination and survey reports for the OCY, Building T064 Side Yard, and Building T028 were reviewed for general thoroughness, accuracy, and completeness.^{2,3,4} The procedures used and data developed for area characterization and post-remedial action monitoring were evaluated to determine if surveys had been adequately performed, areas of contamination were identified and remediated, and that the DOE guidelines had been met.

4

PROCEDURES

ESSAP personnel conducted independent measurement and sampling activities at SSFL on June 9 and 10, 1992. Survey activities were performed in accordance with a site specific survey plan, using procedures and instruments described in the ESSAP Survey Procedures Manual and summarized in Appendices A and B.

SURVEY PROCEDURES: OCY AND T064 SIDE YARD

Reference Grid

A reference grid, consisting of 10 m x 10 m grid blocks, was established on outdoor areas associated with the OCY and T064 Side Yard (Figures 5 and 6). The remaining 2 ha and 0.8 ha land areas were not gridded. Measurements and samples from ungridded surfaces were referenced to prominent site features.

Surface Scans

Gamma surface scans were performed over the remediated portions of the OCY and T064 Side Yard. In addition, portions of the respective 2 ha and 0.8 ha adjacent areas were also surface scanned. Scans were performed with NaI detectors, coupled to ratemeters with audible indicators. Locations of elevated direct radiation identified by surface scans were marked for further investigation.

Soil Sampling

1987. V. 18

Composite surface (0-15 cm) soil samples were collected from three 100 m^2 areas within the OCY and T064 Side Yard. Two additional soil samples were collected from the T064 Side Yard at locations of elevated direct radiation detected during surface scans. Figures 5 and 7 show soil sampling locations.

5

5

1.0 INTRODUCTION

Building 028 originally housed the Shield Test and Irradiation Reactor (STIR). The reactor was also used for neutron radiography. The reactor was removed and the facility decontaminated in late March 1976, as reported in reference 1. A uranium oxide melting experiment was conducted in the facility in support of a reactor safety program sponsored by Department of Energy. Normal and depleted uranium oxide was processed and melted under controlled conditions. Following completion of the experiment, in September 1982, the equipment was sealed, the building closed, and routine maintenance and surveillance performed awaiting DOE funding for D&D under the Strategic Facilities Initiative Program. GFY 1988 funds were allocated and the work scope expanded to include demolition of the facility based upon its reported poor condition, references 2 and 3.

The uranium oxide melting experimental equipment was comprised of a vacuum arc furnace, the vacuum equipment, the associated electrical power systems and a ventilation system. A plan view of the facility is presented in Figure I-1. Room B101, the basement, housed the experimental equipment while Room 102A, at ground level, contained normal and depleted uranium which was surplus at the end of the experiment.

The highlights of the overall activity plan, as extracted from reference 4, are as follows:

- 1. Package and ship the surplus normal and depleted uranium oxide.
- 2. Size reduce, package and remove the contaminated hood and lab cabinet in room 102A.
- 3. Survey and decontaminate room 102A.
- 4. Isolate, seal, package and dispose of the arc furnace intact.
- 5. Disassemble, size reduce and package the furnace, peripherals (vacuum pump, HEPA filter, plumbing and electrical equipment) for disposal.
- 6. Remove, size reduce, and package the radioactive exhaust system ducting and plenum, filters and blowers for disposal.
- 7. Decontaminate and survey Room B101.
- 8. Survey facility for unrestricted usage.
- 9. Demolish the above ground structure.

2

]

3

N001TI000322 Page 6

2.0 FACILITY DESCRIPTION

2.1 GENERAL

The facility is thoroughly described in reference 1 and not repeated here. The following discussion relates to the special experimental equipment and activities conducted after the <u>STIR D&D activities</u>. Figure I-1 shows plan views of the facility and locates key items. The ventilation system was left intact after the prior D&D work and distributed air throughout the facility through ducting and plenums; and contains HEPA filter elements and the air drive system.

2.2 ROOM 102A

The ground level room contained approximately 300 kg of depleted and normal uranium oxide, declared surplus in reference 8. The fume hood and laboratory cabinet were also located in this room. Due to the test operations, the room floor and walls required decontamination.

2.3 ROOM B-101

The basement room contained the arc melting furnace whose characteristics were: 5.5 ft long, 5 ft wide by 6 ft high, representing a disposal volume of 165 cubic ft³, with a maximum gross weight of 6,000 lb. It was a model NCCND 4157331 manufactured by Vacuum Specialties, Inc., Somerville, Mass. It was a steel vacuum furnace containing internal induction melting capabilities and included the associated wiring and controls. The power conditioning equipment was located adjacent to the furnace.

The room also contained the vacuum pumping equipment, associated plumbing and controls, and approximately 22 kg of normal uranium oxide were retained within the furnace and vacuum systems.

D635-0109/sjh

3.0 SUMMARY OF ACTIVITIES

All of the activities discussed below were performed in accordance with approved, written procedures. The procedures employed are cited in references 4, 6 and 10 and presented in Table III-1. The details of the day-by-day activities, identification of crews and other information are contained in the operational log book titled "Building T028 Decontamination—August 1988", which is located in the Atomics International Library as R001410. Copies of the Health and Safely Analysis Reports citing the activity levels of pallets 1, 2, 3, and 5 prior to shipment from building T028, and electrical equipment prior

Table III-1. Building T028 Decontamination, Decommissioning, and Demolition Procedures

| 1. | 173DWP000010, Structural Surfaces Decontamination, Rev New. Revised 8/11/88 for use at T028. |
|-----|--|
| 2. | 173DWP000019, Known and Suspect Contaminated Support Areas Decon- tamination, Rev New. Revised 8/11/88 for use at T028. |
| 3. | N0010P160007, Decontamination and Size Reduction of Low Level R/A Materials, Rev New. Approved for use 8/11/88 |
| 4. | 4173DWP000020, R/A Waste Handling Procedure, Rev New. Revised for use at Building T028, and approved 8/11/88. |
| 5. | N704DWP990082, High Volume Exhaust Removal, Rev A. Revised for use at Building T028 and approved 8/11/88. |
| 6. | N001DWP000019, Size Reduction and Removal of Vacuum Furnace System, Rev New. Approved for use 8/3/88. |
| 7. | 173DWP000021, Bldg T028 Radiological Survey Procedure, Rev New, Revised for use at T028 and approved 8/11/88. |
| 8. | 094QAP-00, Inspection Requirements for the Shipment of Radioactive Materials, Rev E, Approved 8/11/88. |
| 9. | 089QPP000001, Radioactive Material Packaging and Shipping Quality As- surance Program Plan, Rev A, Approved 8/11/88. |
| 10. | N704DWP990094, Solidification of TRU-Contaminated Oil, Rev New, Approved 10/4/88. |
| 11. | Vacuum Furnace Packaging (procedure), Created new within reference 10. |
| 12. | Procedures for Removing Residual Oil from Exhaust System from the Vacuum System. Created new within reference 6. |
| | D635-0109 |

to wire removal are contained in Appendix A. A listing of the Government Owned property removed from building T028 is provided in Appendix B. R/A contaminated equipment was packaged and disposed of as contaminated waste. Clean equipment was excessed through the procedures of property administration. All of the equipment listed was removed from the accountability listings.

Photographs of the equipment, the facility and miscellaneous items are contained in Appendix C.

3.1 SURPLUS URANIUM OXIDE DISPOSAL

The surplus uranium oxide was assembled, packaged and palletized for disposal. The total inventory removed was 278,671 gm of normal uranium oxide and 22,405 gm of depleted uranium oxide as detailed in Appendix D. The work was performed from July 14, 1988 to August 1, 1988. This material was shipped to Hanford, Washington as R/A waste.

3.2 EQUIPMENT DECONTAMINATION

Equipment, piping, hardware and electrical components were disconnected, disassembled and packaged for disposal. The HP monitored the waste continuously as it was being removed and packaged for shipment to salvage if clean and to the Radioactive Material Disposal Facility (RMDF) if contaminated. This activity encompassed both rooms 102A and B-101. This effort was performed from August 1, 1988 to August 19, 1988.

3.3 BUILDING SURFACES DECONTAMINATION

Room 101A concrete floor was scabbled and the walls dusted, from August 22, 1988 through August 24, 1988. Survey showed the room to be acceptable.

3.4 FILTER SYSTEM DECONTAMINATION, REMOVAL AND DISPOSAL

Removal of R/A ducting began with the attic and continued through Room 102A, the change room and the rest room during the period from August 25, 1988 through August 30, 1988. The effort was stopped while the furnace and appurtenances were examined and work started to achieve the disposal site's schedule target for furnace shipment. It was necessary to repair and have the R/A filter system operational for the furnace cleanup and removal work. Following removal of the furnace the remaining ventilation ducting was removed. This activity was performed over the period of October 10, 1988 through October 20, 1988.

3.5 FURNACE DECONTAMINATION, REMOVAL AND SHIPMENT

Vacuum pump flushing was completed on September 1, 1988, before a 2-week hiatus was called for other site work. Decontamination, monitoring, appurtenance removal and sealing of the arc furnace was performed over the period of October 10, 1988 through October 13, 1988 during which an oily substance was found to be leaking from the filter box. Delay of the shipment of the furnace to RMDF until November 14, 1988 resulted from the resolution of this problem. A special procedure was prepared and implemented (reference 6.). The oil was solidified with Petroset and the surfaces wiped. During the period of October 17, 1988 through October 18, 1988, surveys were conducted, the furnace placed on a pallet and its exterior cleaned. The furnace was loaded with LSA waste and diatomaceous earth, sealed and prepared for shipment. The furnace was shipped to Hanford, Washington for burial as R/A waste and the equipment struck from the property accountability rolls per reference 9.

3.6 MISCELLANEOUS CLEANUP

Over the period of October 31, 1988 through November 22, 1988, miscellaneous cleanup and surveys were done. The prefilter, the HEPA filter components and the stack was removed from the building exterior, the sump was pumped out and the furnace power transformer removed. The balance of cleanup, decontamination and disposal activities were conducted at the RMDF and completed by December 7, 1988.

3.7 FINAL SURVEYS

The final R/A survey was conducted beginning November 14, and the radiological status of the facility, reported in reference 11, was that all portions of the above ground structure may be disposed of as conventional waste. Below grade portions meet the criteria for release for unrestricted use, and may remain in place. A site water runoff analysis was done on September 15, 1988, and determined that there was no detectable activity. Appendix E is a copy of the report.

3.8 BUILDING DEMOLITION

Reference 12 is the demolition specification that was used by Taylor's Wrecking Company, who demolished the above ground portions of the structure, under purchase order number R 95NJZ89-09-6030. The work was performed over the period of April 17, 1988 through July 26, 1989.

3.9 DISPOSAL OF RADIOACTIVE WASTE

All radioactive waste resulting from the Building T028 D&D activities was sent to RMDF for packaging and shipment, and ultimately sent to Hanford, Washington for land burial. A total of 1183.7 ft³ of waste was shipped; comprised of 276 ft³ normal and depleted uranium oxide, 195.5 ft³ for the arc furnace, 690 ft³ of boxed waste, and 22.2 ft³ of material in drums.

3.10 PERSONNEL DOSIMETRY

Monitoring of internal and external radiation exposure to personnel, as prescribed in the Rocketdyne Health & Safety Manual, was conducted throughout the building T028 .D&D operations.

Film badges were worn by all persons entering the radiologically posted areas. These badges, which contained beta-gamma-sensitive film packets with the appropriate shields for radiation quality assessment, were processed quarterly by an independent laboratory and provided the legally documented record of external exposure.

None of the Engineering or Radiation and Nuclear Safety personnel assigned to the T028 decommissioning activity received any measurable exposure to ionizing radiation during the decommissioning.

4.0 COSTS

DOE was the funding source for the entire costs of decontamination, decommissioning and demolition. The project was identified as SAN-1-89-1405 (reference 3) and estimated the total cost at \$241,000 to be available in GFY 1988.

4.1 FINAL ACTUALS

The actual total costs of the project were \$239,970 as recorded under ETEC's General Order number 95943 (reference 7). It was comprised of approximately \$150,000 for in-house labor of disassembly, decontamination, cleaning and packaging; \$52,000 for demolition of the building above ground structure by a contractor; \$28,000 for off-site burial and disposal costs of contaminated materials; and the balance (approximately \$10,000) was for miscellaneous items (crane rental, materials, etc.).

D635-0109/sjh

5.0 REFERENCES

- 1. AI-ERDA 13168, STIR Facility, Decontamination and Disposition, Final Report, B. F. Ureda, Rockwell International, August 26, 1976
- 2. 87 ETEC-DRF-0871 "Site Consolidation," H. Wieseneck, ETEC, April 20, 1987
- 3. DOE FAX SFI Project, SAN-1-09-1405, Demolition of Bldg 028, LMFBR Fuel Safety Bldg. J. F. Saidi, September 24, 1987
- 4. IL, "Decontamination Plan for Building T028," C. H. Knox, August 1, 1988
- 5. IL, "Building 028 D&D (Scope, Approach and Cost Estimate)., F. C. Schrag, December 9, 1987.
- 6. IL, "Procedures for Removing Residual Oil . . . T028, (Cost Estimate), R. J. Tuttle, October 10, 1988.
- 7. Telecon, T028 D&D and Demolition Costs, G.O. 95943 Klein (AI) to Lucci (ETEC), 18 April 1990.
- 8. Telecon, Fricken/Wiley (DOE-SAN) to Schaubert (Al), Excess DOE Owned Normal and Depleted Uranium., August 31, 1987
- 9. IL, "Furnace, Melting 20189543", Hirasuna, December 19, 1989
- 10. IL, "Vacuum Furnace Packaging," F. G. Schmidt, November 11, 1988
- 11. IL 495 ll.rjt, "Radiological Status of T028," R. J. Tuttle, April 17, 1989
- 12. M028-69180-T1, "Building T028 Demolition Specification," January 17, 1988

APPENDIX A

| | | | 22 | | eter - | | : | | · · · · · · · · · · · · · · · · · · · | - | | | - | | | NC Pa |)01] ge 1 | Г100 L4 | 032 | 22 | | | | 5n. | 2 | | | |
|---------------------------------------|------------------------|---------------------------|---------------------|---|----------------------|--------------|-----------------|-----------------|---------------------------------------|---------------|-----|-------------------------|-------|-----|--|-----------------|--|------------|-----|----|---|------|--------------------|-----------------|---------------|--------------|------------------------------|------------------|
| 969 | 2000 | 28 | 10001 | Ś | 10111 01 14 10 10 | | | | | | · · | | | | | | | | | | | | LER/ | - Kent | | IUM | | |
| ED BY 1: 6: 5 | APLED 8-2 | ID ROOM NO. 70 | ULTS Direct | X | NON detectured | | | | | | | - - | | | | | | | | | - | | LE: SOIL WA | OTHER Direct | Y SIS: | V BERYLL | 1,2,2,2,2,2,1 | 100 |
| SUBMITT | DATE SA | BLDG. A | 1M ² RES | Z | ZSQ' | | | | | | | | | | | - | - | | | | | | TYPE OF SAMP | | TYPE OF ANAL | RADIOMETRIC. | - OTHER | ىلىلەر بىرىم بىر |
| | | S REPORT | dom/not | X | DE > | - | | | | | | Nacional Seconda | | · . | | territe species | 9 mgana (3 mm) 9 mgan | | | | | | | | | | | |
| | Rockwell International | IND SAFETY ANALYSIS | | 2. de 1028. | | | w christ | 76ex | | | | | | | | | | | | | | | محرف | 50 0 | 8 | | r 43100 WORK | • |
| A A A A A A A A A A A A A A A A A A A | | HEALTH | | CRIPTION AND LOCATIO | | シート きょうかい かん | Combound. | 021 12 1 BUIK V | | ないが、日本語を見ていた。 | | | | | | | | | | | | | 10 - due 8-22. | - due 9-19- | - due 9-19 | | 95543 SUB- | |
| V. R. Sakante | ED 8-2-88 | IDD HOT WAITT'N THIS SOUL | 3A11et # 2 | い、 、 十 上 た ま 、 の ES | 1 | 1 | Plackie milline | Bax woth ZVRC | | | | | | | | | | | | | | | CAN berra # 354911 | 1 12 # 327794 - | m 12 # 381726 | | 29 8-41 CONTRACT OR ORDER | n PAGE 2 |
| | TE ANALYZ | LM NO. | AUDIE | UMBER | 1 | 1 | 3 | 1 | | | | | | | | | | | | | | | OMMENTS: | Ludiur | Luch lu | | LEDGER ACCOUNT 2 | TDG BOOK N |

. . .

.

a construction devining and a construction of the con

walds - v sid

.

| | | | | | | | | | · · · · · · | | | | | <u>, 77</u> | | | | | | | | | | | | |
|---|------|------------|----------|-------------|---------|-----------------|-------|---------|-------------|----------------------|-------|-------|---------|-------------|---------|-------|-------|-----------|--------------|------------|--------------------|------|------------|------|-------------------|---|
| | | | | | · Sar | 0 | Å. | | · . | - | | | | | | | |]] | NOO Page | 1T e 15 | 1 00 0 5 |)322 | 2 | | | |
| | | 900 | 20 20 | 028 | Mo cm | Ø | N.D | | | | | | : | | | | | | | | | | | | | |
| | | S :8: | 8-3 | 0' J | 1001 | |). A. | | | | | | | | | | | | | | | | | | | |
| | | <u> </u> | LED | ROOM N | -15 0 | Ď | NX | | | | | | | a de M | | | | | | | | | | + | | |
| | | IBMI T TEI | ATE SAMI | DG. AND | RESUI | | ŝ | • | | | | | | | | | - | | - | | | | • | | | |
| | | l IS | Ĩ | B | a 4 | Ø | V | | | | | | | | | | | | | s. | | | | | | |
| | | | | RT | 100 0 | | 20 | | | - | | · | - | | | | | - | | | | | | | | |
| | | | est. | REPO | 1 mg | Y | N | | | | | - 518 | | ÷ • - | | | - | | | | | | | | e sort | |
| | , | | onal | YSIS | | | | | | 1 | | | | | | | | | | | | | - <u>-</u> | | | |
| | • | | temeti | ANAL | | | | | Sec. | | 1000 | | 1.19 | | . ALCON | | | | S. C. Marine | | | | 2 | | | |
| | | | | FETY | | ъ. Р. ч О | | | | | | | | | | | | | | | | | | 1 | | |
| | • | | Hoc | D SA | | トジ | | | | | | 113 | 1.1.1.1 | | | | | 1. S. 18. | X | | | | | | | |
| | | | 5 | A A A | | ATION Sielo | | 1 | | - 19 | | 1.34 | | | 114.5 | Ke | | | 2.5 | | | 1 | | | | |
| ; | •••• | N.S. LAN | | EALT | No. | | | | 1. A. A. A. | 20 20 20 20 | | | | | なな法 | 1.1.1 | | | ARX. | | | | | | | the second se |
| | | | | H | | TION A | | 279 | | | 2.7 | | | | | | N. | MAT A | Nex S | True a | | | | | | |
| | | | | | 4 | ESCRIP | | | | Such | 6 X 1 | 1. N. | | | × | | 240 | N. C. | 28.210 | | | | | | | |
| | | | | | 0.1. | | 1.02 | | | | | | 1 | | Se. K | | 5.0.5 | 9 | 5 121 | 12.5 | | | | | | |
| | | 000 | 3 | tat the | H 3 | | | 2.2.2.C | | | | | | | 14 A | 100 | | | いいた | 19. E.L | | | | | | |
| | Ŧ | -6 | | Cive A | THE WAY | ŝ | | | | | | | | | 1.1.1 | | 28.20 | mallan | 1.00 | | | 構成 | | | | |
| | - | X | BV - A | YZEO | 60 1/c | 2 | | | | | | | | | | | | 5 | | | | | | | | |
| | • | | ALYZED | TE ANAL | | Mrucy MBÈR | | 10 | 60 | 23 | V | | | | 0 | | 1 | 12 | 8 | | | | | | | |
| | | | Z.F | | | | 13 | | 消费 | 非律 | N. | 1後 | | | | 13 | | 形 | | 12 | | | | F.** | F 12 72 | 15 |

. .

÷ .

•

| | | -ann rù-dalanne -2 5 1 1 1 1 1 |
|---|-------------------------|--|
| 11 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | N001TI000322 Page 16 | |
| 5-88 t 1900 | | A AIR |
| 84 4.15. ED 8. 4.15. A.1.20 X. | | MATE WATE |
| BMITTED E TE SAMPLI DG. AND R RESULTS | | Sils: |
| X N H H H H H H H H H H H H H H H H H H | | E OF SAMP |
| 0R1 | | SME COTHE |
| S REP | | |
| NALYS NALYS | | |
| The providence of the providen | | WORK RELEASE |
| Ploc | | |
| THAN AL | | 12-19-88 11-42 |
| HEAL HEAL | | SUB- ACCOUNT |
| OILABO | | 943 |
| DE | | 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 |
| Lacar Caco | | #355 381 CONTRA |
| The second second | | H Scin |
| ANALYZED BY | | Carlo 229 |
| PATER PATER | | MENTS: MENTS: BOOK 7/1/2 |

| · ···· 732- | 1.0G BOO | LEDGER | | Ludi | Ludi | COMMENTS | | | | | | | 1/35 | 0 | 2 | \$ | 7 | 6 | S | H · | ŝ | Ś | 2 | NUMBER | | DATE ANAL | ANALYZED | | • |
|--|-----------|----------------------------|-------------|---|--|-----------------|--|------|------|--------------|------------|---|-----------------|---------------------|-------------------|----------------------|-----------------|------------------|----------|-------------------|-------------------|--------------------|------------|----------------------|----------------------------|------------------|-----------------------|--------------|------------|
| 7 6 , 133 | K NO PAGE | 29841 CONTRACT CONTRACT | | um 12 # 381- | in 12. Seinfillalor | CANberra # 3549 | | | | | | | VARIOUS FRADIES | 320 dual channel de | Sunt chainel de | Mod live - automptic | VACUM Tube Valt | Repetal Dower Do | Wood box | Muclear chicaso | DAVITIONICU model | Function generator | Seta Timer | M.so. Items on | 100 No Y IN THE IN THE BOX | YZED 10 | BY CO CAR | 1/ 0 5 6 6 4 | |
| | | 75943 SUB- ACCOUNT 43/0 | | 126 - due 9- | # 327794 - 0 | 16 - due 8-22- | | | | | | | | Amp revider prop. | amp-recorder prup | optical pyrometer | meter model you | of type prop. # | | model 1819 prop # | goio prio # 20 | prop. # 6772 | | RIGTION-AND LOCATION | | HEALTH AND S | | | • |
| | | A C WORK RELEASE | | -18-8-6- | ve 9-19-88 | 8-8- | | | | | | | | # 676273 | 896060 4 | piga # 252531 | H 116-19367 | 157041 | | 153347 | 5/3/3 | | | 1028 | | AFETY ANALYSIS R | ockwell International | | . . |
| - - - - - | | - | Ŀ | an e a mar an | na na na manga na na mana mana na manga na mang | | | | | - | | | | | | | | | | , , , | | • | N 20 | 2 | Iom 100 | EPORT | | | |
| | | OTHER | RADIOMETRIC | TYPE OF ANALY | SMEAR | TYPE OF SAMPL | | | | | | | | | | | | | | | | | 2 50 | B. | RESU | BLDG, ANI | DATE SAM | SURMITTE | |
| | | (IDENTIFY) | BERYLI | SIS: | DTHER Kirch | E: SOIL WA | | | | | | | | | | | | | | | | | UON | X | LTS din 10 | D ROOM NO. T | PLED <u>: ۲۶ - ۲</u> | DRY K.C. | |
| ************************************** | | | LIUM | | CENTIFY) CALINS | | | | 3 | 171(31 9 | Pag N00 | - | | á | | | 6 | | • | | | | NNA. | Ø | Sarise was | 028 | 88 | SALA & | • |

| ANALYZED BY | V.B.SAL | Ø. 191 - 1 | A. S. S. M. B. | MARKA | | Pookwal | Internetional | <u>.</u> | | <u></u> | SUBMITTE | D BY _ | V.B. | SABA | |
|---------------|---|--|--|--------------|-----------|--|---------------|----------|--------|----------------|-------------------|--------------|--|-------------|------------|
| DATE ANALYZ | ED 8-11-88 | | | | | Rocketavne Div | | | | | DATE SAN | IPLED. | 8-4-0 | 58 | |
| FILM NO. | A the Walt | | | HEALTI | HAND | SAFETY | ANALYSIS | S REPO | ORT | | BLDG. AN | D ROOM | NO. TO: | 28. | Rm |
| SAMPLE | | | 17.56 | Sur Karth | x | | | chom | 1100 C | ~ ² | RESI | JLTS | Direct dpm/ | Re 100 C | Act m 2 |
| NUMBER | | C A DESC | RIPTION | | ATION | | | | 4 | 1 | B. | | < | 4 | 3 |
| | Sugar | a lenn | 13:48 | and. | eler | the al | i panel | 2 | 20 | · 🖌 | 50 | 1 | V.D.A | N | 1. 4 |
| | 1 25-26-41.372 | le of | wint | ANY A | Room | 101 | 7028 | | | | 1 | | 1 | 1. | 1 |
| Maples 1 | worde - Plan | allow | eler | 23,23 | | 1 Sican | | | | | | | 1. | | 1 |
| Prise St. | uirees T | Print | 2-1-12 - 14 | Jates | table | art | 14 | | | | | | | | |
| | | | · · · · · · · · | | · | 1. 1. V. 1. | No. And State | | | | | | | | 1 |
| Marshell R. | · · · · · · · · · · · · · · · · · · · | a de la constante | | Section! | | | | | | | | | | | Ι |
| | 15.6 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | , jer ta | | 4.1.2 | A. A. T. A. | | | | | | | | 2 | |
| | | | | Station of | | | N | | | | | · | | | |
| | | S. Angerson | 1 (d | Astro-24 | 1.5 3 1.5 | | | | | | · · · · · · | | | | |
| | | | 3 12 64 | 155 T | 3.6 | | | | | | • | | | | |
| 建设的 。这 | Sec. Weite | | | Ver and | 1 | | | | | | 1 | | | | |
| | | | | | - Alexand | | L | Y | | · · | | | | | |
| | | | | 1. 14 | | | | 1. | | | | | | | 150 |
| | and the second second | te de la compañía de | | and the | | | ALS CALL | | | | | | | | |
| | | | | | | 3.3 | | | | · | | | | | |
| | | | 1. 4. 1. 1. 4. A. | | | | | | | | • | · | | | |
| | | S. A. Com | | | 14. C. S. | | | | | | •. | | | | |
| | | | | | 44. | | | | | | | | | | |
| No Palata In | | | the of the second | | | | 1 | <i></i> | | | | | | , | |
| | | | and the second | | | An and the second data and the | | | | | | | a kan di kata da mana kata ya kaya sa ka | | |
| COMMENTS: | Anberra # | 3549 | 16 - | due | 8-2 | 2-88 | | | 1 | TYPE | OF SAMPL | E: SOIL | | TER | AIR . |
| Ludlu | m 12 Scin. | ti llAtor | £ 5 | 27794 | 1 - du | ie 9- | 19-88 | | | SMEAR | $\sim 10^{\circ}$ | DTHER - | Direct | Read | ./.A |
| Ludlur | n.12 # | 38172 | 6 - 0 | due | 9-1 | 9-88 | | | | TYPE | OF ANALY | SIS: _ | 110 | ENTIFY) | |
| <u>.</u> | | : | | | | | | | | RADIC | METRIC _ | \checkmark | _ BERYLL | IUM | |
| LEDGER | 19841 8 | ONTRACT | 7594 | SUB- | UNT K | 3100 | WORK | | | OTHE | R | | | | |

.

:

APPENDIX B

| JUL 1: FA090B-R | BULL | ROCKWELL INTERN FIXED | ASSE ASSE | <u>NAL - F</u> T BUILI | ROCKE | ETDYNE DIV. LISTING | ISION | | | PAG M4 | GE 84 | 8 090B |
|----------------------|---|--|------------------|---------------------------|-------------------------|---|----------------|------------------|---|-------------------|-------------------|-------------|
| DIVISION | 1.03.1 | | | • | | | | | | | | |
| TAG NO | DESCRIPTION | EXTRA | YR B | BLDG | LSE DPT | LOCATION | ACQ M0-YR | ACCT | ASSET COST | NET BOOK VALUE | | |
| N0878152 | -POLISHER, MTL. LAB. | JET THIMING INSTRUMENT | 78 | 4024 6 | 335 | WI 10* | 02-75 | 17417 | | | 00 8 | |
| N0678744 | ANALYZER, OXYGEN | S THO BEAL SIM! TA LAAL | 4 4 | 4024 | | JACK-RW | 10-74 | 17487 | 8 | • | 00.00 | 35 |
| NOG80281 | -CONSOLE ELEC INST | R. I. W. W. K. K. L. M. L. W. V. | 20 | 4034 4034 | - 0 0 0 0 0 | (NPSIDE | 88-60 | 17482 | 2.109.69 | [| 00 | 38 |
| V0701128 | -SCAFFOLD | DEVELOPEMENT TEST | | 4024 | 5 ««) ? | 1-41< | 07-82 | 17418 | 2 ° 3 ° 4 ° 7 ° 7 ° 7 ° 7 ° 7 ° 7 ° 7 ° 7 ° 7 | | 0 8 0 C 0 C | ពិដ |
| V0701128 | -SCAFFOLD | SCAFFOLD AROUND SPRAY DRYER | 1 | 4024 | . « | 1-41< | 01-83 | 174 18 | 50 | | 88 88 88 | 380 |
| NUBB 145.3 | | | ¢ | 4024 | • | | | | 143.052.20 | 7.726. | 16 | |
| V0700223 | -PUBLIC ADDRESS SY | ETEC TOOL CRIB | 9 - 7 Q | 4025 4035 | « | UWBAYRK | 10-80 | 174 12 474 13 | 581.41 | • | іл і 00 00 | 22 |
| BUILDING | TOTAL | | | 4025 | 5 | | | 71 %/1 | 20,440.06 28 127 49 | • | s S S | N |
| N0327283 | -WELD MACH. ARC | 230/460V \$8/48A PH1 60HZ | 76 | 4028 | - | ILCH BAY | 10-75 | 17417 | 2,357.94 | | 8 8 8 | 33 |
| BUILDING NO358187 | -TANK LIO NITROGEM | SVI TARE - TVDE | \$ | 4028 | 2 | , a c | 4 6 6 | 4 | 2.357.64 | | 8 | |
| BUILDING | TOTAL | | | 4027 | | AKU | | 11011 | 1.411.68 4 4 4 6 6 | 347. | 07 07 07 | |
| N0327270 | -SCALER, RADIATION | DECADE | 70 | 4028 | 1 68 | 102 | 01-78 | 17417 | | | 8 9 0 0 0 | ų |
| N0327905 | -WELD WACH, ARC | 1500-AMP-BUMBLEBEE-WELDER | 78 | 4028 | | NSIDE | 10-76 | 17417 | 5,284.10 | ****** | 800 | 30 |
| NOSSABAB | -PRUCESSUR, DATA | | 00 | 4028 | | ASEMENT | 03-80 | 17467 | 10.278.75 | 1,178. | .83 | 33 |
| N0355618 | -POWER SUPPLY HTVI | 10 DOLANDER | 00 | 4028 | 800 P | BASEMENT | 10-81 | 17467 | 1,642.98 | 326. | 58 8 | ŝ |
| N0355618 | -POWER SUPPLY HIVL | 10.000AMPERE | | 4028 | | No LOE | 00-00-00 | 19411 | 28, 261.30 | 5,093. | 0000 | S. L |
| N04 148 10 | -POWER SUPPLY, ELTR | 2000VA350-450C |) 03 10 10 | 4028 | • >- | ARD | 08-28 | 17482 | 00.300 % | | | តម្ន |
| N0468373 | -MICROCOPE | STEREOSCOPIC, BINOCULAR, 6-50X | 80 | 4028 | | M102 | 04-90 | 17412 | 638.56 | | | 2 10 |
| N0640953 | -POWER SUPPLY, ELTR | R/M. 0-38VDC. 0-10A | 70 | 4028 | 82 | IM 102 | 02-60 | 17482 | 521.00 | | 000 | 32.6 |
| NU6/0213 | | DPTICAL 775-2800C 3RANGE | ຕ ຜ | 4028 | | IM 102 | 10-83 | 17462 | 582.14 | *** | 8 00- | 35 |
| NOR75524 | -DOURD CHIDDIV CIED | USCILLUGKAPH • BREEFIRE I TOUTR LET THE SACHERS | 8 C | 4028 | | tM102 | 02-64 | 17462 | 1.728.10 | • | 00.0 | 35 |
| N0875558 | -CONSOLE FLEC INST | TANNICTION FIDNAFF EVETEM | 000 | 80708 80308 | | 100 | 10-88 | 17462 | 00. | • | 00 | ខ្ល |
| N0875559 | -WITOR-GENERATOR | | | 070 | 0:6 | A VENER. | 99-01 | 296/1 | 3,000.00 | | 00 | 35 |
| N0676273 | -RECORDER | OSCILLOGRAPH DC TO 125CPS 2 CH | 87 | 4028 | | MI02 | 00-01 04-87 | 17463 | 20, 158.00 | 41. | | 50 |
| N0676273 | -RECORDER | OSCILLOGRAPH DC TO 125CPS 2 CH | 87 | 4028 | | M102 | 07-87 | 17462 | | | | |
| N0676960 | -AMPLIFIER | PREAMPLIFIER PLUG-IN UNIT | 86 | 4028 | | 00 | 07-68 | 17462 | 00 | • | | |
| N0876960 | -AMPLIFIER | PREAMPLIFIER PLUG-IN UNIT | 88 | 4028 | - 4700 - 4700 | 00 | 08-68 | 17462 | 00 | | |) Ľ |
| N0876961 | Amplificr | PREAMPLIFIER PLUG-IN UNIT | 88 | 4028 | - | 00 | 07-68 | 17482 | 00. | | | 32 |
| | | | | | | | | | | | | |
| | | | | | | • | | | ******************************** | | | |
| | | | | | | | • | | | | | |
| | | | | | | | | | | | | |
| | | | | | | *************************************** | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | ***** | | |
| | | | | | | | | | | | | |
| | | | | | | | | | 8 | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| SCALL TOTA AT AT | ne se com a secondo para elo taxonezza tazaten para para para el control de la control de la control de la cont | | | | | | | | | | | |
| | | | | | | | : | | | | | |

N001TI000322 Page 20



| · \ | 1 | | | <u> </u> | | | | | | • | <i>,</i> |
|-------------------------|---|--|-----------------|------------------|------------|---------------------------------------|-----------------------|------------------------|---|-----------------------|----------------|
| UL 12, 1 AOPOB-R | ค กต | ROCKWELL INTER Fixed | NATIO | DNAL - ET BUI | | ETDYNE DIVI 1 LISTING | SION | ********** | *************************************** | PAGE M4.PA | 849 MS.0908 |
| IVISION | <u> 03 1</u> | | | | | | | | | | |
| TAG NO | DESCRIPTION | EXTRA DESCRIPTION | YR 1 | BLDO | USE OPT | LOCATION | ACQ MQ-YR | ACCT | ASSET COST | NET BOOK VALUE | DEP DPT |
| 0876978 0877255 | -AMPLIFIER -GENERATOR | PREAMPLIFIER PLUG-IN UNIT FUNCTION 0.001HZ TO 1MHZ | 08 69. | 4028 4028 | | 100 RM102 · | 07-68 08-69 | 17482 17482 | .00 888.13 | 00. 00. | 835 |
| 0677637 0689513 | -CALCULATOR -MONITOR,TV | ELECTRONIC.PROGRAMABLE | <u>79</u> 80 | 4028 | | SANTA SU | <u>08-70</u> 09-81 | <u>17752.</u> 17487 | .00 | .00 .00 | 835 835 |
| 0689514 | -CAMERA, TV -CAMERA TV | | 80 80 | 4028 | | SANTA SU | 09-81 | 17487 17487 | .00 | .00 | 835 |
| 0868527 | -RECORDER INK WRTG | BMV-100V 10RNGE | | 4028 | | .RM102 | 03-83 | 17462 | 825.23 | | 635 |
| UILDING | TOTAL | L SY-18-30 | 88 | 4028 | | RM102 | 03-85 | 1/482 | 81,277.92 | . 00 8,854.54 | 835 |
| 0119971 | -COMPUTER.PCXT -PUMP.LAB | DIFFUSION PUMP | 85 86 | 4030 | 831 | C.MALWITZ | 10-86 | 17737 10088 | 3,172.53 27,257.34 | 1,065.98 27,257,34 | 844 999 |
| 0101885 | -FORKLIFT | HYDRAULIC FORKLIFT | 87 | 4030 | 023 | GARAOOOOOO | 07-87 | 174 17 | 35,815.29 | 28,920.85 | 023 |
| 0325983 | -CONTROL UNIT, ADPE | | 78 78 | 4030 | 085 | TRAFFIC* | 01-81 | 17731 | 2,878.38 | .00 | 085 |
| 0327868 | -TYPEWRITER, ELEC | SELECTRIC II | | 4030 | 085 | 100 TRAFFIC* | 10-76 | 17757 | 879.80 5.312.15 | | 577 840 |
| 0356084 | -AUTOMOBILE | CHEVY-IMPALA, STATION-WAGON | 79 | 4030 | | YARD | 02-81 | 17848 | 3,487.27 | .00 | 677 |
| 0382808 | -RADIO, ELEC | TWO-WAY, PTBL. BATTERY W/CASE | 82 | 4030 | | 100 | 10-82 | 17417 | 2,083,17 | .00 | 588 |
| 10383373 10383378 | -CONTROL UNIT, DSPL -TERMINAL, DISPLAY | USED W/DISPLAY A KEYBOARD Color W/Keyboard A Controller | 83 83 | 4030 4030 | | 100 100 | 01-83 | 17731 | 2,803.73 3,325.08 | .00 .00 | 065 |
| 0383379 | -TERMINAL, DISPLAY | COLOR W/KEYBOARD A CONTROLLER | 83 | 4030 | | 100 | 01-83 | 17731 | 3,325.08 | .00 | 065 |
| 0383384 | -PRINTER, DOT MATRI | | 83 | 4030 | ••••• | 100 | 01-83 | 17731 | 5,414.11 | .00 | 085 |
| 1064 15 10 1084 2095 | -TYPEWRITER.ELEC | TYPEWRITER, ELEC SELECTRIC II SELECTRIC II | 72 73 | 4030 | | 100 100 | 08-72 | 17752 | 681.50 667.80 | 12.41 16.19 | 525 |
| 0678481 | -REFRIGERATION UNI | 18 CU FT | 73 | 4030 | | INSIDE | 07-73 | 174 12 | 355.10 | 8.45 | 577 |
| 0689874 | -CALCULATOR, ELCTRN | a proti | 78 78 | 4030 | 080 | 248-1 | 02-75 | 17757 | .00 | .00 |) 577 |
| 0058874 | -COPY MACH, ELECSTC | TRAFETO & VADEUNICTNO | 80 74 | 4030 | | 100 | 01-81 | 10070 | .00 | .00 | 999 |
| UILDING | TOTAL | | | 4030 | ••••• | 0-20 | 01-14 | | 118,774.72 | 58,530.33 |) |
| 10327380 | -BREATH APPARATUS | AIR MASK | 76 | 4032 | | DOORWAY | 06-76 | 17467 | 583.00 | .00 |) 635 |
| | | | | | •••••• | | | | | | , |
| | | • | | | | | | | | | |
| •••••• | ······ | | | | ••••• | ••••••••••••••••••••••••••••••••••••• | | | | | |
| | | | | | | | | | | | |
| | · · · · · · · · · · · · · · · · · · · | | •••••••••• | | ••••• | | | | | | |
| • | | | | | | | | | | | |
| | | | | | ۱ | | | | | | |

ŝ

. .

.

. '

٠

.

.

N001TI000322 Page 21

| r | : | ······································ | | | |
|---------------------------------------|-----|--|---|---|---|
| 3E 60 | | | | | |
| PAG | | ASSET COST | 2.213.05 1.331.67 1.331.67 1.331.67 1.331.67 1.331.67 1.427.38 2.082.50 2.082.50 2.100.00 2.100.00 2.100.00 2.100.00 2.100.00 2.100.00 2.100.00 2.100.00 2.100.00 2.100.00 2.100.00 2.100.00 1.1255.12 2.1255.12 2.1255.12 2.1255.12 2.1255.12 2.1255.12 3.258.00 3.258.00 3.258.00 3.258.00 105.218 2.18.48 105.218 2.218.02 3.258.02 3.258.02 3.258.02 3.258.02 3.258.02 3.258.02 3.258.02 3.258.02 3.258.02 3.258.02 3.258.02 3.258.02 | | |
| | | LOC | YARD BASED INSIDE INSIDE YARD YARD YARD YARD YARD YARD YARD YARD | | |
| | | USE | 6.888.80 .000000000000000000000000000000 | | |
| 5 | | SERIAL NO | 9600794 180298 4868809001 124 ****************************** | | |
| NED PROPERTY LISTIN ED BY BUILDING | | MODEL NO | 800-2822 AW 1540183601 C-10008 VW3600-518 VW3600-518 VW3600-518 VW3600-518 VW3600-518 VW3600-518 VW3600-518 VW3600-518 VW3600-518 2022-5 5022-5 500-2020 22-29200-CR-4 83C38 83C38 9000 5 83C38 9000 5 83C38 9000 5 83C38 9000 5 83C38 9000 5 83C38 9000 5 83C38 9000 5 83C38 9000 5 83C38 9000 5 83C38 9000 5 83C38 9000 5 83C38 9000 5 83C38 9000 5 83C38 9000 5 83C38 9000 5 83C38 5 83C38 5 83C38 5 83C38 5 83C38 5 83C38 5 83C38 5 83C38 5 83C38 5 83C38 5 8 83C38 5 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 | | - |
| GOVERNMENT OW | | MFG NAME | MOSLEY ELECTRANIC BARBER COLMAN CO ESTERLINE ANGUS HONEYWELL, MINN ANTL. ELEC RES ANTL. ELEC RES ANTL. ELEC RES ANTHUP GCA/VACUUM INDUST HOUSTON INST DIV DAVTRONIC CORP ICA/VACUUM INDUST HOUSTON INST DIV DAVTRONIC CORP FREDERICK PUMP FREDERICK PUMP FREDERICK PUMP FREDERICK PUMP FREDERICK PUMP FREDERICK PUMP FREDERICK PUMP FREDERICK PUMP | - | |
| | | DESCRIPTION | X-Y PLOTTER CONTROLLER 0-79 VD MILLIVULT 0-79 VD MILLIVULT 0-70 115 V 80 MZ 1 K S BELLOWS SEALED BELLOWS SEALED WAVE 2 CPS-BECC OMNISCRIBE , RECO | | |
| | | NAME | RECORDER, INK WRTG RECORDER, INK WRTG RECORDER, INK WRTG RECORDER, INK WRTG VOLTAGE REGULATOR MANIPULATOR, LAB MANIPULATOR, L | | |
| | 228 | TAG NO | 70163533 20173694 20173694 20177509 20177501 20177501 20177501 20177501 20177501 20177501 20177503 201775533 201755533 201755533 201755533 201755533 201755533 201755533 201755533 201755533 201755533 201755533 201755533 201755533 201755533 201755533 201755533 201755533 201755533 201755533 201755533 201755553 2017555553 2017555553 2017555555555555555555555555555555555555 | | |



APPENDIX C

| 1-028 | |
|----------|--|
| DUILUING | |
| וערייט | |

۰.

NUCLEAR MATERIAL CONSOLIDATION

To Ticket Nos. 5-1667 & 600895

| DESCRIPTION | Poly Bag w/5gal pail of Depleted & Normal UO2 Slag Waste from Item (NEITWASTE) | Poly Bag w/5gal pail of Depleted & Normal UO2 waste from | 56al pail of Normal UO2 waste in 2Lb Can from Item (UO2-WASTF) | 5Gal Pail of Depleted UO2 waste in 21b Can from Item (UO2-COMB) | 5Gal Pail of Depleted UO2 Powder in 21b Can From Item (DST-CAN17) | 5Gal Pail of Normal Slag in 2Lb Can From Item (TST2CAN10) | 5Gal Pail of Normal Eucone Duck in Breadpan From Item (U-PELLETS | 5Gal Pail of Normal Furnace Dust in 216 Can From Item (DUST-CAN) | 5Gal Pail of Normal Furnace Dust in 2Lb Can From Item (DST-CANIA | Dial Pall of Normal Furnace Dust in 2Lb Can From Item (DST-CAN12 | Polyday W Sual Pall of Normal Furnace Dust From Item. (DST-CAN16) | 2Lb Coffee Can From Item (TST2_CANA) | 5Gal Pail of Normal UO2 Dust in 21 h can Emem 1+2m (Act rause) | 5Gal Pail of Normal UO2 Dust in 2Lb Can From Item (DST-CANIS) | 56al bail of Normal UO2 Swag in 2Lb Can From Item (TSTI-CANB) | 56al Pail of Normal 100 Dust in 2Lb Can From Item (DUST-CAN6) | 5Gal Pail of Normal UO2 Dust in 215 Can From Item (UUSI-CAN2) | 5Gal Pail of Normal UO2 Dust in 2Lb Can From Item (DUSI-CAN3) | 5Gail Pail of Normal UO2 Dust in 2Lb Can From Item (DUST-CANI) | 5Gal Pail of Normal UO2 Dust in 2Lb Can From Item (DUST-CAN5) | EmptyContaminated Pellet Rods (Aluminum) in 55Gal Poly Bag | Poly Bag of 20 Al Pellet Rods Loaded With Normal UO2 Pellets | Total Names 11 | Total Depleted Uranium From Above Shown on Ticket No. 5 1667 Total Depleted Uranium From Ahove Shown on Ticket No. 5 20005 | an. Balance Weights Balanco house house and incher No. 000895 | Glass, and Glass Vacuum Jar. | |
|-------------------------------|---|--|--|---|---|---|--|--|--|--|---|--------------------------------------|--|---|---|---|---|---|--|---|--|--|----------------|---|---|------------------------------|---------|
| GRAMS 2_235 | 10,13 | 9 | | 1/°06 | 7.43 | | | | | • | | 4.57 | | | | | | | | | | | . 11 | 45.49 | s. 011 C | ardware, | ۶ ۶ - C |
| % U235 | 0.203 | 0.203 | | 0° 203 | 0,203 | | | | | | | 0.203 | | | | | | | | | | - | | 0,203 | Cake Tin | fiter, H | |
| URANIUM WEIGUI | 39,373,08 4,989,87 | 19,887.52 3.102.27 | 25,840.73 | 0,402.93 7,779,24 | 3,660.19 | 122°14 8.759.47 | 8,424,50 | 12,154,12 | 11,112,19 13 270 36 | 9.467.31 | 13,591,50 | 2,249,75 | 15,087,84 | 11,759,21 | 7,729,43 | 6,770,80 | 1,983,38 | 4,958,44 | 12°26°4 | 4 014°33 | 21 226 52 | 21,226,52 | 278.671.34 | 22,405.01 | iless Cans, | oard, Pre-F | |
| | 88 . 15 88.07 | 88。15 88。07 | 88.15 88.15 | 88.15 | 88.07 | 00°15 88.15 | 88.15 | 88.15 | 88.15 88.15 | 88.15 88.15 | 88,15 | 88,07 | 88,15 | 88,15 88,15 | 88,15 | 88.15 | 88,15 | 88.15 00 15 | 00°13 | 88.15 15 | 88,15 | 88,15 | 88.15 | 88.07 | ng Stair | ng Cardl | |
| · NET | 44,666.00 5,665.80 | 22,561.00 3,522.50 | 29,314.50 9 541 20 | 8,825,00 | 4,156.00 | 9,937,00 | 9,557,00 | 13,788,00 | 12,606,00 15,064,50 | 10,740,00 | 15,418,60 | 2,554,50 | 1/,110.10 | 13,340,00 8,935,00 | 8,768.50 | 7,681.00 | 2,250,00 | 5,619,00 | 4.554 NO | 788.00 | 24,080,00 | 24,080.00 | 316,133.10 | 25,440,00 | lag Containi | lag Containi | |
| I LEM I I UKE I Ng====Ng== | 1 500298 601265 | 2 500284 501261 | 3. 500296 4 601262 | 5 500291 | 6 601264 7 500282 | 8 500301 | 9 500268 | | 11 500286 12 500286 | 13 500290 | 14 500281 | 15 601257 | | 17 500280 | 18 500267 | 19 500263 | 20 500264 | 22 500263 | 23 500266 | 24 500299 | 25 500300 | 500300 | TOTALS | TOTALS | L 55 Gallon L | 55 Gallon F | |
| - 54 | | | | | | | | • | | | | | | adding to the training of | | | | | | - | | | | | | | |

²³ bailon Bag Containing a Metal Stool, Balance, 5 Gallon Pail, and Steel Rod O 5 Gallon Bags Containing 12"x12"x4" Fire Bricks Issorted Plastic Sheeting, Rubber Gloves, Tape, and Paper Wipes

-

N001TI00032-Page 24

.

APPENDIX D

.



APPENDIX E

+

:

:

ĩ





N001T1000322 Page 30 ₩ è

A

M. June M







Room 102A-After Decontamination





