Acknowledgement

The owner / operator at TES USA Inc acknowledges the legal rights for the Southern Nevada Health District to conduct inspections, review records and to take punitive actions if necessary, pursuant to the Solid Waste Management Authority Regulations Governing Permits to Operate Solid Waste Management Facilities.

Mitchell Runko

Mitchell Runko Operations Manager

4/5/2023

Date

Design Report

TES USA Inc 1100 Mary Crest Road Henderson, Nevada 89074 Parcel Number 178-15-511-057

Section 1: Facility Information Section 2: Facility Control Section 3: Management Areas Section 4: Environmental Controls Section 5: Facility Specific Design Requirements

I certify that this Design Report for TES USA Inc was prepared under my supervision, contains provisions that are adequate to comply with the applicable requirements, and to the best of my knowledge, is complete and accurate.

Signature

Chris Carrier

Name of Professional Engineer

24060

Registration Number

State

NV



Section 1: Facility Information

Facility:

Facility Name:	TES USA Inc
Address:	1100 Mary Crest Road
	Henderson, Nevada 89074
Parcel Number:	178-15-511-057
Phone:	(732) 749-0964
Website:	http://www.tes.com

Business Owner and Operator:

Company:	TES USA Inc
Address:	5238 Royal Woods Parkway, Suite 110
	Tucker, Georgia 30084
Responsible Official:	Mitchell Runko
Title:	Senior Operations Manager
E-mail:	mitchell.runko@tes.com
Phone:	(732) 749-0964
Hours of Operation:	7:00 am to 3:30 pm Monday through Friday or as posted
	This facility is not open to the public

Materials Accepted and Service Area

The facility will accept IT equipment, which may include solid state servers, hard drives, batteries, computers, cell phones, CRTs, and televisions. The facility's primary purpose is the refurbishment of electronics and destruction of data. Any electronics that cannot be refurbished will be shipped offsite for recycling. A small AMS-1000HD-SSD shredder is a subcomponent for hard drives which cannot be refurbished. The shredded materials are not separated prior to shipping offsite.

The facility will typically accept electronics from the southwest United States. The facility coordinates freight shipments to accept bulk loads of electronics. The facility is not open to the public.

Section 2: Facility Control

The facility is completely within a single warehouse building. There is a single main entrance into the reception room. All visitors must sign in and granted access by onsite personnel. Access to the warehouse requires a pass through the metal detector. All other employee entrances are locked at all times and requires key or keypad entry. All rollup gates shall remain closed and locked unless there is active loading or unloading.

All access roads are paved with asphalt pavement and properly graded and drained to provide easy access in all weather conditions to all vehicles.

Section 3: Management Areas

Section 3.1: Areas of Activities:

The TES USA Inc facility has a section designated for offices and a warehouse area designated for processing and storage. The warehouse section will include activities such as sorting, processing, and storage of electronics. The majority of the warehouse space is used for storage of electronics prior to processing or prior to shipping. A processing line includes a conveyor belt with access to processing stations. Testing, refurbishment, and data destruction of electronics will take place at each processing station. A caged section is provided for "quarantined" materials, which includes hard drives with sensitive information. This caged section will also be where the shredding of hard drives takes place. Please refer to the Site Plan and Process Flow Diagram provided in Part 2.

Section 3.2: Anticipated Waste Types, Quantities, and Sources

All shipments of electronics are scheduled in advance from various sources within the southwest United States. Electronics received are primarily solid state drives and server drives. Electronics are received within cardboard boxes. Electronics are unpacked and staged for processing. Processed materials will be shipped out within cardboard boxes and pallets. Excess boxes and pallets will be sent offsite for recycling. The amount of cardboard boxes and pallets to recycling is expected to be minimal.

The facility has approximately 32,000 square feet of usable warehouse space. Under normal operations, the materials will not be stacked up to a height of 8 feet. This provides a warehouse storage capacity of 256,000 cubic feet or 9,481.5 cubic yards. The processing and storage areas and locations of equipment are shown in the Site Plan and Process Flow Diagram in Part 2.

The TES USA Inc shredding and sorting process is limited by the throughput of the shredder. The AMS-1000HD-SSD shredder has a capacity of 2,000 solid state drives per hour. Each drive is approximately 0.75 lbs. Therefore, the shredder has a capacity of 1,500 lbs per hour. However, the shredding operation will only be used for hard drives that are not able to be refurbished. It is anticipated that only 7,000 drives would be processed through the shredder per year, which equates to 5,250 lbs per year or 14.38 lbs per day. According to EPA's Volume-to-Weight Conversion Factors, the conversion rate for computer-related electronics is 354 lbs per cubic yard. Therefore, the facility would produce 14.83 cubic yards per year or 0.04 cubic yards per day. A copy of the conversion factor is included in Part 2. The recycling storage capacity is 132 pallets. Each pallet is 48" x 40" x 42". This provides a total recycling storage capacity of 6,160 cubic feet or 228 cubic yards.

Section 4: Environmental Control

Section 4.1 Air Control

The facility will have the following provisions for controlling air pollutants, including fugitive dust, to prevent a public nuisance:

- 1. Paved access roads around the facility.
- 2. All operations, equipment, and storage are located indoors.
- 3. The AMS-1000HD-SSD shredder is equipped with an air filtration system that is designed to reduce possible odors and contaminants from escaping into the atmosphere during hard drive shredding.

Part 3 contains documentation of correspondence with the Clark County Department of Air Quality.

Section 4.2 Fire Control

The facility is equipped with fire extinguishers, which may be used to extinguish small fires in the processing area. The warehouse is equipped with a sprinkler system that is for the building in the event of a large fire. In the event of an emergency, all personnel shall evacuate the facility and call 911 for emergency assistance.

The nearest fire station is Henderson Fire Station 82 located on 401 Parkson Rd, which is approximately 2 miles from the facility. A City of Henderson Fire Safety Division Operational Fire Permit for the facility is provided in Tab 3.

The facility is equipped with a fire sprinkler system.

Section 4.3 Pollution Control

The facility operations and processes are not expected to produce any waste or pollution. All operations are driven by electric motors. There is no hydraulic machinery in place; therefore, there is no potential for oil spills in this facility. The shredding and separating operations may potentially produce dust. The shredder is equipped with an air filtration system designed to reduce quantity of pollutants that escape into the surrounding environment during hard drive shredding.

Electronics and shredded materials are transported in cardboard boxes and placed on wooden pallets. The cardboard boxes and wooden pallets are stored indoors until material is ready to be transported for offsite recycling. There is no storage outside the facility. All storage areas are swept daily to prevent accumulation of debris that can potentially exit the facility. Two dumpsters are provided in the back of the facility, one for trash and one for recycling. These dumpsters are for general waste only and won't take any materials processed at this facility.

TES USA Inc accepts some restricted waste, which may include lightbulbs, fluorescent lamps, alkaline and rechargeable batteries, non-automotive lead-acid batteries, and cathode ray tubes. These are generally part of the IT Equipment that is being refurbished. Restricted waste is not processed through shredding operations. IT equipment that cannot be refurbished will be sent offsite as a whole for further recycling. If it is practical for restricted waste to be separated, then it shall be stored separately from IT equipment within a lidded plastic container that is labeled for restricted waste. There are no compatibility issues for the types of restricted waste that will be accepted by the facility. The restricted waste will be shipped offsite for further recycling when enough material has been accumulated very 30-60 days. The shipping of restricted wastes will be documented.

TES USA Inc. will be accepting non-automotive lead-acid batteries, specifically Uninterrupted Power Supplies (UPS), which contain lead acid batteries. UPS are a normal part of any computer datacenter. TES USA Inc. would not be breaking down these batteries or removing them from the unit. They are to be shipped whole to a downstream recycling vendor.

Restricted materials are segregated from other materials described in attached documents below, WI-7010 regarding batteries and WI-7012 regarding the cleanup of broken CRT's, CFL's, and fluorescent lamps. CRT's are stacked on pallets no more than two levels high and separated by cardboard. Pallets are bubble wrapped, then shrink-wrapped and shipped to a downstream vendor for recycling. Fluorescent lamps are placed in plastic bags, and then in approved containers and shipped downstream for recycling.

Industrial wastes are not expected to be produced at the facility. Industrial wastes will not be drained through the sanitary sewer system.

Section 4.4 Storm Water Control

All operations are located indoors, and the dumpsters are equipped with a closeable lid. Therefore, a Stormwater Pollution Prevention Plan (SWPPP) is not applicable for this facility.

Section 4.5 Litter Control

All equipment, processing, and storage areas are located indoors. Only dumpsters are located outdoors and are equipped with closeable lids to prevent potential spread of debris. Any dust or debris that collects in the property is promptly swept, collected, and properly disposed.

Section 4.6 Odor Control

All equipment, processing, and storage areas are located indoors. Dumpsters are equipped with closeable lids. There are no substances that can become putrid, chemicals, or oils associated with the process. Odors are not expected to be generated by the facility.

Section 4.7 Vector Control

All equipment, processing, and storage areas are located indoors. The facility will not handle, store, or process organic materials that would attract or facilitate vermin. Dumpsters are equipped with closeable lids and are located outdoors. No standing water will be allowed to accumulate either within the dumpsters for more than 72 hours to prevent mosquito breeding. Any debris is promptly cleaned from the facility and not allowed to accumulate. The grading of the facility property prevents ponding.

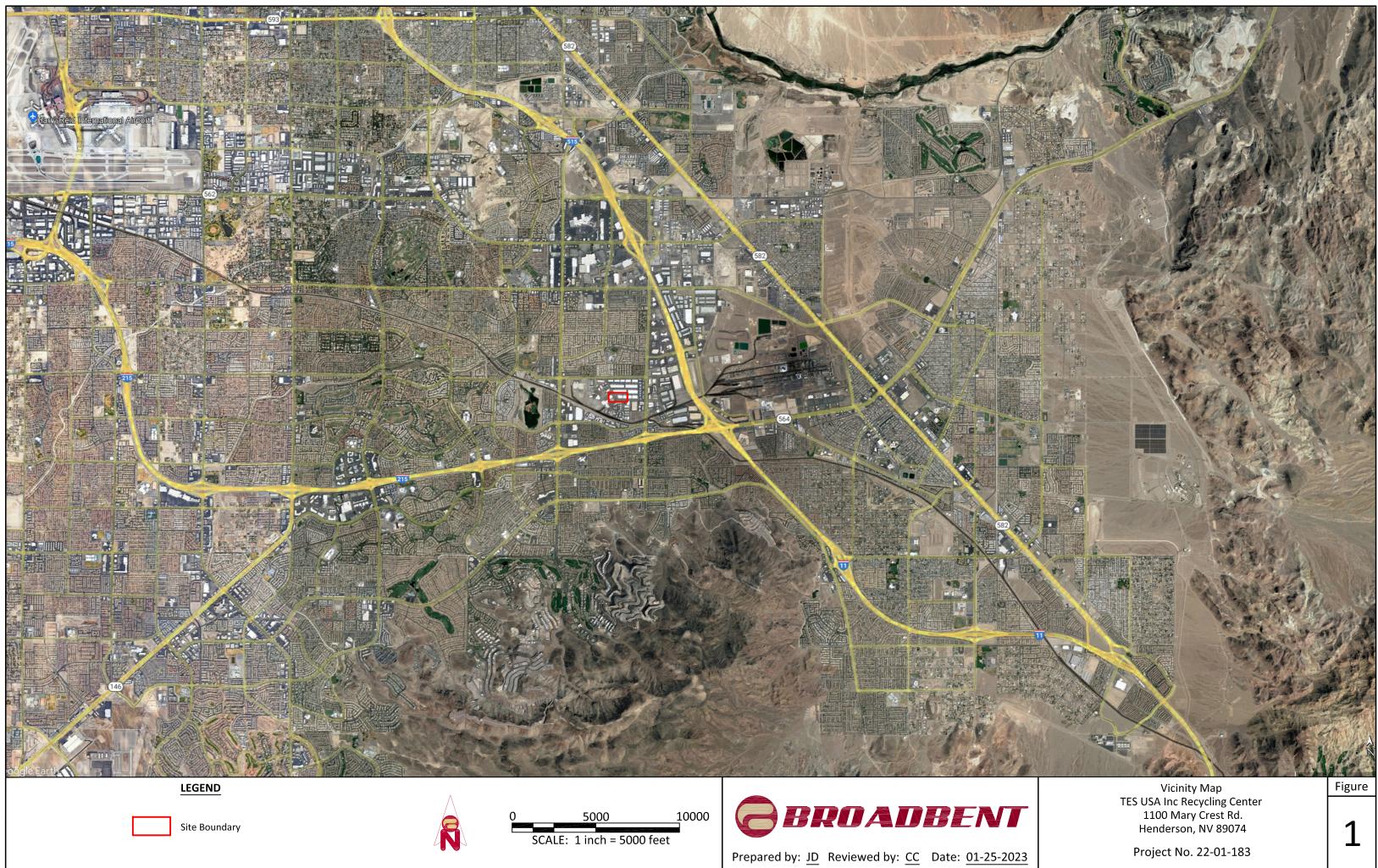
Section 5: Facility Specific Design Requirements

Recycling centers have no specific design criteria that are in addition to the Chapter 2 Standards (SWMA Chapter 3-7.01)

Engineered Plans and Specifications

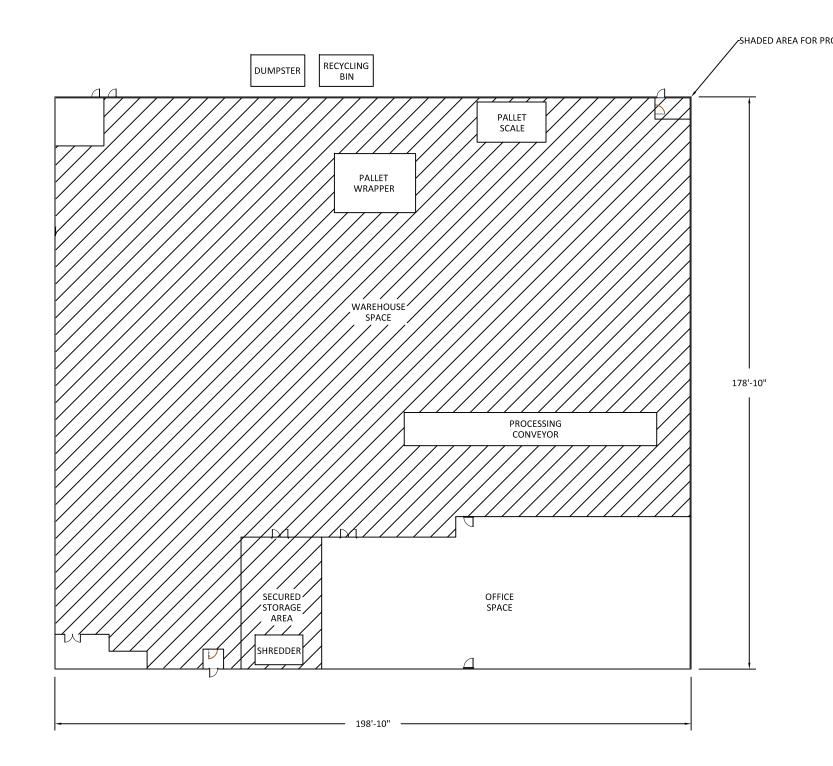
The following plans are provided as an attachment to this Design Report:

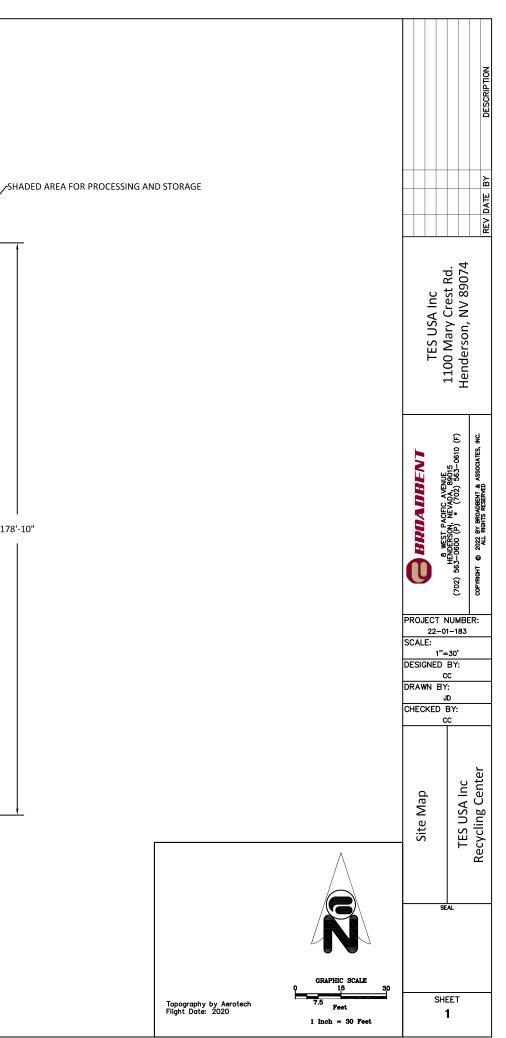
- Figure 1: Vicinity Map
- Figure 2: Contour Map
- Figure 3: Traffic Map
- Figure 4: Site Map
- Figure 5: Emergency Escape Plan
- Figure 6: Process Flow Diagram

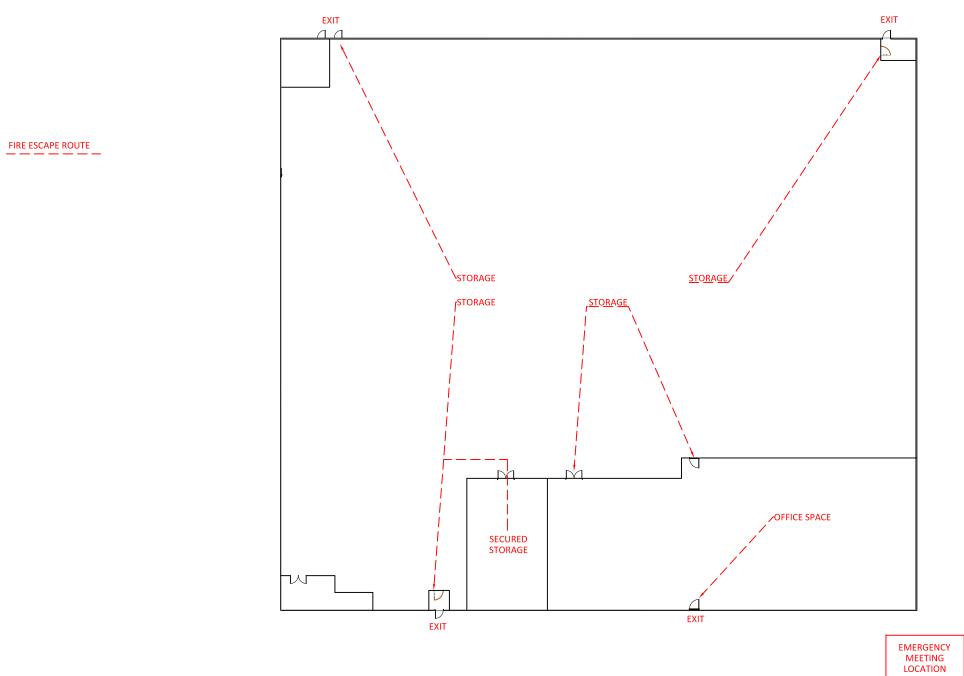


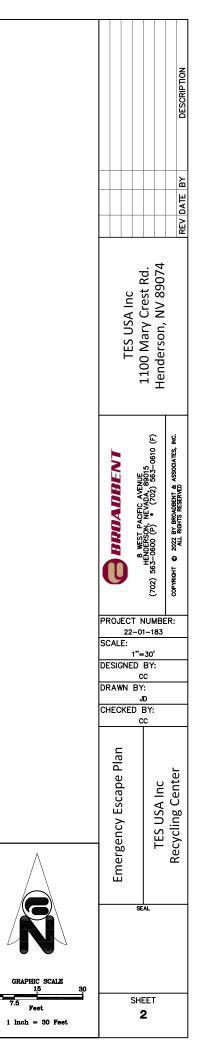












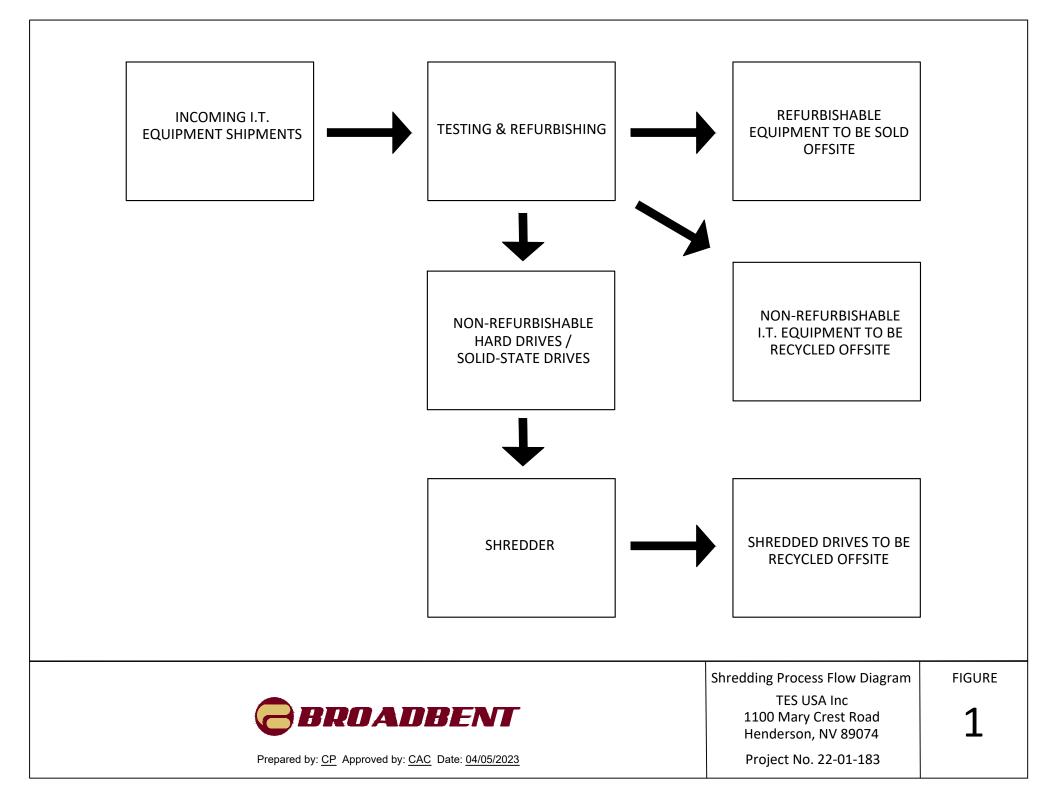
Topography by Aerotech Flight Date: 2020

G

15

Feet

7.5



Equipment List

- AMS-1000HD-SSD hard drive shredder
- Processing conveyor
- Pallet wrapper
- Pallet scale
- 2 forklifts
- 1 scissor lift (rented temporarily)
- 8 pallet jacks

Operating Plan

TES USA Inc. 1100 Mary Crest Road Henderson, Nevada 89074 Parcel Number 178-15-511-057

Section 1: Facility Section 2: Equipment Section 3: Types of Waste Section 4: Contingency Plans Section 5: Operating Records

Section 1: Facility

Facility:

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Facility Name:	TES USA Inc
Address:	1100 Mary Crest Road
	Henderson, Nevada 89074
Parcel Number:	178-15-511-057
Phone:	(732) 749-0964
Website:	http://www.tes.com

Business Owner and Operator:

Company:	TES USA Inc
Address:	5238 Royal Woods Parkway, Suite 110
	Tucker, Georgia 30084
Responsible Official:	Mitchell Runko
Title:	Senior Operations Manager
E-mail:	mitchell.runko@tes.com
Phone:	(732) 749-0964
Hours of Operation:	7:00 am to 3:30 pm Monday through Friday or as posted This facility is not open to the public

Facility Control

The facility is completely within a single warehouse building. There is a single main entrance into the reception room. All visitors must sign in and granted access by onsite personnel. Access to the warehouse requires a pass through the metal detector. All other employee entrances are locked at all times and requires key or keypad entry. All rollup gates shall remain closed and locked unless there is active loading or unloading.

All access roads are paved with asphalt pavement and properly graded and drained to provide easy access in all weather conditions to all vehicles.

Capacity

The facility has approximately 32,000 square feet of usable warehouse space. Under normal operations, the materials will not be stacked up to a height of 8 feet. This provides a storage capacity of 16,875 cubic feet or 625 cubic yards. The processing and storage areas and locations of equipment are shown in the Site Plan and Process Flow Diagram in Part 2.

The TES USA Inc shredding and sorting process is limited by the throughput of the shredder. The AMS-1000HD-SSD shredder has a capacity of 2,000 solid state drives per hour. Each drive is approximately 0.75 lbs. Therefore, the shredder has a capacity of 1,500 lbs per hour. However, the shredding operation will only be used for hard drives that are not able to be refurbished. It is anticipated that only 7,000 drives would be processed through the shredder per year, which equates to 5,250 lbs per year or 14.38 lbs per day. According to EPA's Volume-to-Weight Conversion Factors, the conversion rate for computer-related electronics is 354 lbs per cubic yard. Therefore, the facility would produce 14.83 cubic yards per year or 0.04 cubic yards per day. A copy of the conversion factor is included in Part 2. The recycling storage capacity is 132 pallets. Each pallet is 48" x 40" x 42". This provides a total recycling storage capacity of 6,160 cubic feet or 228 cubic yards.

All electronics are shipped to and from the facility. The materials are inventoried and tracked within an internal database. This will ensure that there is adequate storage available at the facility.

Section 2: Equipment

Section 2.1: Equipment List

The equipment in use at the TES USA Inc facility is minimal. Electronics are moved with a forklift and pallet jacks. A scale is used to weigh incoming and outgoing shipments. A processing line includes a conveyor belt with access to processing stations. Testing, refurbishment, and data destruction of electronics will take place at each processing station. A caged section is provided for "quarantined" materials, which includes hard drives with sensitive information. This caged section will also be where the shredding of hard drives takes place. A pallet wrapper provided for outgoing shipments. Please refer to the Site Plan and Process Flow Diagram provided in Part 2. Please refer to the Part 2 for a complete list of equipment at the facility.

Section 2.2: Equipment Maintenance

The primary piece of recycling equipment is the shredder. The shredder shall be maintained in accordance with the manufacturer's specifications. All other equipment including the forklift, scale, conveyor belt, and processing station equipment shall be maintained according to the manufacturer's specifications.

All shipments of electronics are scheduled in advance from various sources within the southwest United States. Electronics received are primarily solid state drives and server drives. Electronics are received within cardboard boxes. Electronics are unpacked and staged for processing. Processed materials will be shipped out within cardboard boxes and pallets. Excess boxes and pallets will be sent offsite for recycling. The amount of cardboard boxes and pallets to recycling is expected to be minimal.

The facility has approximately 32,000 square feet of usable warehouse space. Under normal operations, the materials will not be stacked up to a height of 8 feet. This provides a warehouse storage capacity of 256,000 cubic feet or 9,481.5 cubic yards. The processing and storage areas and locations of equipment are shown in the Site Plan and Process Flow Diagram in Part 2.

The TES USA Inc shredding and sorting process is limited by the throughput of the shredder. The AMS-1000HD-SSD shredder has a capacity of 2,000 solid state drives per hour. Each drive is approximately 0.75 lbs. Therefore, the shredder has a capacity of 1,500 lbs per hour. However, the shredding operation will only be used for hard drives that are not able to be refurbished. It is anticipated that only 7,000 drives would be processed through the shredder per year, which equates to 5,250 lbs per year or 14.38 lbs per day. According to EPA's Volume-to-Weight Conversion Factors, the conversion rate for computer-related electronics is 354 lbs per cubic yard. Therefore, the facility would produce 14.83 cubic yards per year or 0.04 cubic yards per day. A copy of the conversion factor is included in Part 2. The recycling storage capacity is 132 pallets. Each pallet is 48" x 40" x 42". This provides a total recycling storage capacity of 6,160 cubic feet or 228 cubic yards.

All mobile equipment maintenance performed onsite complies with SNHD's Solid Waste Management Authority (SWMA) Chapter 4-3 regulations regarding restricted waste management, as applicable. Restricted waste may include used oil, grease, and fluids generated during maintenance of the equipment. Used oil shall be stored in containers that are structurally sound, properly sealed, and labeled according to its contents. The used oil shall be removed and properly disposed.

Section 3: Types of Waste

Section 3.1: Accepted Wastes

All shipments of electronics are scheduled in advance from various sources within the southwest United States. Electronics received are primarily solid state drives and server drives. Electronics are received within cardboard boxes. Electronics are unpacked and staged for processing. Processed materials will be shipped out within cardboard boxes and pallets. Excess boxes and pallets will be sent offsite for recycling. The amount of cardboard boxes and pallets to recycling is expected to be minimal.

The facility has approximately 32,000 square feet of usable warehouse space. Under normal operations, the materials will not be stacked up to a height of 8 feet. This provides a warehouse storage capacity of 256,000 cubic feet or 9,481.5 cubic yards. The processing and storage areas and locations of equipment are shown in the Site Plan and Process Flow Diagram in Part 2.

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Section 3.2: Prohibited Wastes

TES USA Inc accepts electronics that are primarily solid state drives or server drives. TES USA Inc does not accept prohibited waste. TES USA Inc may refuse to accept a load from a client. Prohibited waste may include radioactive materials, hazardous or flammable materials, non-metallics, compressed gas cylinders, corrosives, refrigerants, PCBS, or explosives. TES USA Inc will not accept other solid wastes such as garbage, rubbish, junk vehicles, ashes or incinerator residue, street refuse, dead animals, demolition waste, construction waste, and solid or liquid commercial and industrial waste. A third party cleanup contractor will be contacted to remove any prohibited waste. An accurate record of any rejection or inadvertent receipt of prohibited wastes shall be maintained by TES USA inc. SNHD shall be notified by the next working day, in writing and in a format specified by SNHD, of all rejected loads.

Section 3.3: Waste Characterization

TES USA Inc will receive loads of electronics at the facility. Facility personnel shall examine the incoming solid waste to ensure that hazardous wastes or prohibited solid wastes are not accepted at the facility. This includes oils, chemicals, and other solid wastes that cannot be processed. TES USA Inc may refuse to accept a load from a client that contains hazardous materials. Should hazardous or prohibited solid waste be found in an accepted load, the material will be separated and placed into a container for off-site disposal. A third party cleanup contractor will be contacted to remove any prohibited waste. An accurate record of any rejection or inadvertent receipt of prohibited wastes shall be maintained by TES USA Inc. SNHD shall be notified by the next working day, in writing and in a format specified by SNHD, of all rejected loads.

Section 3.4: Waste Transportation

TES USA Inc utilizes a third-party transportation service to ship IT equipment from customers and deliver them to the facility. TES USA Inc also utilizes third-party transportation services to collect the shredded materials and deliver them to other TES USA Inc facilities for further recycling. All load acceptances and deliveries are recorded. Any residual solid waste will be placed in the dumpsters behind the facility.

Section 4: Contingency Plans

TES USA Inc trains employees for safely maintaining the processing area within the warehouse. A record of employee training is maintained at the facility. In the event of an emergency, facility personnel shall immediately dial 911 for emergency services.

If an emergency occurs:

- 1. All employees will evacuate the facility via the nearest available exit as per the Emergency Escape Plan. They will re-group at the designated gathering area or at an alternative gathering area if the first one is inaccessible. The Emergency Response Coordinator will affirm that everyone was safely evacuated.
- 2. The Emergency Response Coordinator will call 911.
- 3. All traffic in the parking lot and in any receiving or shipping area will be immediately directed to vacate the property to ensure maximum space for emergency response vehicles.
- 4. The Emergency Response Coordinator shall contact Mr. William Roberts at 702-758-6019. Mr. Roberts shall be responsible for providing required notification and reports to SNHD and other authorities as soon as possible.
- 5. The Emergency Response Coordinator shall document the event including the nature of the event, the adequacy of employee responses, the response of emergency response authorities, and any witness statements. The managers shall compile the reports together with an assessment of damages, if any.
- 6. Should the emergency require an alternate solid waste handing procedure, then the SNHD must be notified at the time of implementation.

An accurate record of employee training and any emergencies or unusual events will be maintained at the facility.

The facility is equipped with fire extinguishers, which may be used to extinguish small fires in the processing area. In the event of an emergency, all personnel shall evacuate the facility and call 911 for emergency assistance. Evacuation routes are shown on the Site Map in Part 2.

Restricted materials are segregated from other materials described in attached documents below, WI-7010 regarding batteries and WI-7012 regarding the cleanup of broken CRT's, CFL's, and fluorescent lamps. CRT's are stacked on pallets no more than two levels high and separated by cardboard. Pallets are bubble wrapped, then shrink-wrapped and shipped to a downstream vendor for recycling. Fluorescent lamps are placed in plastic bags, and then in approved containers and shipped downstream for recycling.

Section 5: Operating Records

TES USA Inc shall abide by the requirements of SWMA Chapter 2-5.03 Operating Records, which includes submitting the SNHD recycling survey by February 15th each year.

CLOSURE PLAN TES USA Inc

The owner of the facility will notify the Southern Nevada Health District (SNHD) in writing at least 90 days before beginning closure of the facility. The TES USA Inc facility is located at 1100 Mary Crest Road, Henderson, Nevada 89074. The owner will also notify all generators and haulers of wastes managed by the facility both by phone where possible, and in writing that the facility will not accept any solid waste after the designated closing date.

The Owner or designated Operator shall, within 30 days after receiving the final shipment of solid waste, remove all remaining solid waste, litter, and inoperable equipment, in accordance with the plan for closure of the facility. All putrescible waste (if any) will be removed within 24 hours of receipt of the notice of closure.

The Owner/Operator will remove up to 228 cubic yards (permitted capacity) of non-refurbishable solid waste to an approved Class I, II, or III receiving facility. The closure cost document is based solely on the estimate to load, transport, and dispose of the solid waste in question. The estimate does not consider the resale value of the equipment or material onsite at the facility.

Following disposal of the solid waste onsite, the Owner/Operator will clean the site to in accordance with normal standards required by the SNHD.

Following the completion of closure activities, the operator will notify SNHD to arrange for a final inspection of the facility in order to permit SNHD to verify successful completion of closure.

Mitchell Runko

Print/Sign

Mitchell Runko

4/5/2023 Date

Cost of Closure Estimate

As part of the application for a permit to operate a permitted solid waste management facility, a cost of closure estimate is required to be included, as outlined in the Solid Waste Management Authority Regulations (SWMAR) 2-6.01. This cost estimate will be used to establish financial assurance (SWMAR 2-7) for the facility. Submittal of this form meets the cost of closure estimate requirement for the application for a permit.

Facility Information

Facility Name:	TES-AMM		
Facility Address:	1100 Mary Crest Rd, Henderson, NV 89074		
Type of Facility being applied for:	Recycling center		
Contact:	Mitchell Runko		
Email:	mitchell.runko@tes-amm.com	Phone:	(732) 749-0964

The cost of closure estimate must be sufficient to cover the cost of closing the facility including the removal, hauling, and proper disposal at a permitted landfill¹, of the maximum permitted solid waste storage capacity. The cost of closure estimate may not consider the resale value of equipment or other materials at the facility.

Cost of Closure Estimate

Permitted Storage Capacity:	132 pallets (Recycling)	
Labor & Equipment Cost:	\$14,380	
Transportation Cost:	\$12,500	
Disposal Cost at permitted Landfill:	\$54,900	
Other (Specify): Waste characterization (Universal Waste)	\$4,500	
Other (Specify):		
Other (Specify):		
Total:	\$86,280	

¹ Proper disposal for material(s) not accepted at a Class I, II or III landfill must be included as *Other* (*Specify*):

Certification

I hereby certify that the costs represented in this estimate are an accurate reflection of the current market to the best of my knowledge.

Mitchell Runko

6/8/2023

Print/Sign

Date