Business License and Business Entity Approval



City of Henderson Finance Department Business License Division 240 S Water Street Henderson, NV 89015 702-267-1730

License #: 2022321041

TES USA Inc DBA: TES USA 5238 Royal Woods Pkwy Suite 110 Tucker, GA 30084

BUSINESS LICENSE CITY OF HENDERSON, NEVADA

Expiration:

6/30/2023

License Type/#:

Gross Revenue/2022321041

License Sub-Type:

Miscellaneous

Business Name (DBA):

TES USA

Business Location:

1100 Mary Crest Rd, Suite A Henderson, Nevada 89074

A Place To Call Home

Jatasha Millikin SUPERVISING BUSINESS LICENSE TECHNICIAN

BARBARA K. CEGAVSKE

Secretary of State

KIMBERLEY PERONDI

Deputy Secretary for Commercial Recordings



Commercial Recordings & Notary Division 202 N. Carson Street Carson City, NV 89701 Telephone (775) 684-5708 Fax (775) 684-7138

> North Las Vegas City Hall 2250 Las Vegas Blvd North, Suite 400 North Las Vegas, NV 89030 Telephone (702) 486-2880 Fax (702) 486-2888

Troy Wright 5238 Royal Woods Parkway Suite 110 Tucker, GA 30084, USA

Work Order #: W2022082901540

August 29, 2022 Receipt Version: 1

Submitter ID: 616262

Special Handling Instructions:

Charges			

Description	Fee	Filing Number	Filing	Filing Status	Qty	Price	Amount
	Description		Date/Time				
Articles of Incorporation-	Fees	20222576879	8/29/2022	InternalReview	1	\$175.00	\$175.00
For-Profit			1:29:40 PM				
Initial List	Fees	20222576881	8/29/2022	InternalReview	1	\$150.00	\$150.00
			1:29:41 PM				
Initial List	Business License	20222576881	8/29/2022	InternalReview	1	\$500.00	\$500.00
	Fee		1:29:41 PM				
Total							\$825.00

Payments

Туре	Description	Payment Status	Amount
Credit Card	6618049753976387703085	Success	\$825.00
Total			\$825.00

Credit Balance: \$0.00

Troy Wright 5238 Royal Woods Parkway Suite 110 Tucker, GA 30084, USA

BARBARA K. CEGAVSKE

Secretary of State

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			1:29:41 PM				
Initial List	Business License	20222576881	8/29/2022	InternalReview	1	\$500.00	\$500.00
	Fee		1:29:41 PM				
Total							\$825.00

Payments

Туре	Description	Payment Status	Amount
Credit Card	6618049753976387703085	Success	\$825.00
Total			\$825.00

Credit Balance: \$0.00

Troy Wright 5238 Royal Woods Parkway Suite 110 Tucker, GA 30084, USA

STATE OF NEVADA

BARBARA K. CEGAVSKE

Secretary of State

KIMBERLEY PERONDI

Deputy Secretary for Commercial Recordings



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North Las Vegas City Hall 2250 Las Vegas Blvd North, Suite 400 North Las Vegas, NV 89030 Telephone (702) 486-2880 Fax (702) 486-2888

Business Entity - Filing Acknowledgement

08/29/2022

Work Order Item Number: W2022082901540 - 2344013

Filing Number: 20222576879

Filing Type: Articles of Incorporation-For-Profit

Filing Date/Time: 08/29/2022 13:29:40 PM

Filing Page(s): 4

Indexed Entity Information:

Entity ID: E25768802022-3 Entity Name: TES USA Inc

Entity Status: Active Expiration Date: None

Non-Commercial Registered Agent

Registered Agents Inc.

401 Ryland Street, Ste 200-A, Reno, NV 89502, USA

The attached document(s) were filed with the Nevada Secretary of State, Commercial Recording Division. The filing date and time have been affixed to each document, indicating the date and time of filing. A filing number is also affixed and can be used to reference this document in the future.

Respectfully,

BARBARA K. CEGAVSKE
Secretary of State

STATE OF NEVADA

BARBARA K. CEGAVSKE

Secretary of State

KIMBERLEY PERONDI

Deputy Secretary for Commercial Recordings



Commercial Recordings Division 202 N. Carson Street Carson City, NV 89701 Telephone (775) 684-5708 Fax (775) 684-7138

North Las Vegas City Hall 2250 Las Vegas Blvd North, Suite 400 North Las Vegas, NV 89030 Telephone (702) 486-2880 Fax (702) 486-2888

Business Entity - Filing Acknowledgement

08/29/2022

Work Order Item Number: W2022082901540 - 2344014

Filing Number: 20222576881

Filing Type: Initial List

Filing Date/Time: 08/29/2022 13:29:41 PM

Filing Page(s): 2

Indexed Entity Information:

Entity ID: E25768802022-3 Entity Name: TES USA Inc

Entity Status: Active Expiration Date: None

Non-Commercial Registered Agent

Registered Agents Inc.

401 Ryland Street, Ste 200-A, Reno, NV 89502, USA

The attached document(s) were filed with the Nevada Secretary of State, Commercial Recording Division. The filing date and time have been affixed to each document, indicating the date and time of filing. A filing number is also affixed and can be used to reference this document in the future.

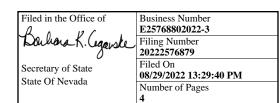
Respectfully,

BARBARA K. CEGAVSKE
Secretary of State



BARBARA K. CEGAVSKE Secretary of State 202 North Carson Street Carson City, Nevada 89701-4201 (775) 684-5708

Website: www.nvsos.gov



	www.nvsiiverii			
	<u>Formati</u>	<u>on - Profit</u>	Corporation	<u>on</u>
NRS 78 - Articles of In Corporation	ncorporation Profit	☐ NRS 80 - Foreigr	n Corporation \square	NRS 89 - Articles of Incorporation Professional Corporation
Astists of Formation of	(Name of clo		Close Corporat	ing)
Articles of Formation of TYPE OR PRINT - USE DARK IN		OUT	a cit	ose corporation (NRS 78A)
1. Name of Entity: (If foreign, name in	TES USA Inc	<u></u>		
home jurisdiction)				
2. Registered Agent for Service of Process: (Check only one box)	Commercial Regis Agent (name only be Registered Agents In	pelow)	mercial Registered Agent ne and address below)	Office or position with Entity (title and address below)
	_	agent OR Title of Office or P	-	Novodo 90502
	401 Ryland Street, St Street Address	.e 200-A	Reno City	Nevada 89502 Zip Code
	401 Ryland Street, S Mailing Address (If dif	te 200-A ferent from street address)	Reno City	Nevada 89502 Zip Code
2a. Certificate of Acceptance of Appointment of Registered Agent: 3. Governing Board: (NRS 78A, close corporation only, check one box; if yes,	unable to sign the Articol X Registered Agents I Authorized Signature of	les of Incorporation, submit Inc Registered Agent or On Behal	for the above named Entity. If a separate signed Registered of the Registered Agent Entity with a board of directors	08/29/2022 Date
4. Names and	1) Troy Wright			
Addresses of the Board of Directors/ Trustees or	Name	Parkway Suite 110	Tucker	GA 30084 State Zip Code
Stockholders	2) Eric Ingebretsen		City	State Zip Code
(NRS 78: Board of Directors/ Trustees is required.	Name 5238 Royal Woods	Parkway Suito 110	Tucker	GA 30084
NRS 78a: Required if the Close Corporation is governed by a board of directors.	Address	Parkway Suite 110	City	State Zip Code
NRS 89: Required to have the Original stockholders and directors. A certificate from the regulatory board must be submitted showing that each individual is licensed at the time of filing. See instructions)				
5. Jurisdiction of Incorporation: (NRS 80 only)	5a. Jurisdiction of inc	orporation:		tity is in good standing n of its incorporation.



BARBARA K. CEGAVSKE **Secretary of State** 202 North Carson Street Carson City, Nevada 89701-4201 (775) 684-5708

Website: www.nvsos.gov

Formation - profit Corporation Continued, Page 2

	www.nvsnvernume.gov	
6. Benefit Corporation: (For NRS 78, NRS 78A, and NRS 89, optional. See instructions.)	By selecting "Yes" you are indicating that the corporation is organize benefit corporation pursuant to NRS Chapter 78B with a purpose of general or specific public benefit. The purpose for which the benefit created must be disclosed in the below purpose field.	creating a
7. Purpose/Profession to be practiced: (Required for NRS 80, NRS 89 and any entity selecting Benefit Corporation. See instructions.)		
8. Authorized Shares: (Number of shares corporation is authorized to issue)	Number of common shares with Par value: 0 Number of preferred shares with Par value: 0 Number of shares with no par value: 170000 If more than one class or series of stock is authorized, please attach the information or	Par value: \$ 0 Par value: \$ 0 n an additional sheet of paper.
9. Name and Signature of: Officer making the statement or Authorized Signer for NRS 80. Name, Address and Signature of the Incorporator for NRS 78, 78A, and 89. NRS 89 - Each Organizer/ Incorporator must be a licensed professional.	I declare, to the best of my knowledge under penalty of perjury, that herein is correct and acknowledge that pursuant to NRS 239.330, it is knowingly offer any false or forged instrument for filling in the Office Troy Wright Name 5238 Royal Woods Parkway, Suite 110 Address City Troy Wright (attach address)	is a category C felony to
AN INITIAL	Please include any required or optional information in space (attach additional page(s) if necessary)	_



I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF

DELAWARE, DO HEREBY CERTIFY THAT "TES USA, INC." IS DULY

INCORPORATED UNDER THE LAWS OF THE STATE OF DELAWARE AND IS IN GOOD

STANDING AND HAS A LEGAL CORPORATE EXISTENCE NOT HAVING BEEN

CANCELLED OR DISSOLVED SO FAR AS THE RECORDS OF THIS OFFICE SHOW

AND IS DULY AUTHORIZED TO TRANSACT BUSINESS.

THE FOLLOWING DOCUMENTS HAVE BEEN FILED:

CERTIFICATE OF INCORPORATION, FILED THE NINTH DAY OF SEPTEMBER,

A.D. 2011, AT 3:32 O'CLOCK P.M.

CERTIFICATE OF REVIVAL, FILED THE TWENTY-SEVENTH DAY OF MARCH,

A.D. 2017, AT 11:30 O'CLOCK A.M.

CERTIFICATE OF AMENDMENT, CHANGING ITS NAME FROM "DATASERV USA, INC." TO "TES USA, INC.", FILED THE EIGHTEENTH DAY OF OCTOBER, A.D. 2017, AT 11:29 O'CLOCK A.M.

CERTIFICATE OF REVIVAL, FILED THE TWENTY-SIXTH DAY OF MAY, A.D. 2022, AT 11:30 O'CLOCK A.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE AFORESAID

CERTIFICATES ARE THE ONLY CERTIFICATES ON RECORD OF THE

AFORESAID CORPORATION, "TES USA, INC.".

Authentication: 204093830

Date: 08-05-22

5036219 8310 SR# 20223174001

You may verify this certificate online at corp.delaware.gov/authver.shtml



AND I DO HEREBY FURTHER CERTIFY THAT THE ANNUAL REPORTS HAVE BEEN FILED TO DATE.

AND I DO HEREBY FURTHER CERTIFY THAT THE FRANCHISE TAXES HAVE BEEN PAID TO DATE.



5036219 8310 SR# 20223174001

Authentication: 204093830

Date: 08-05-22



BARBARA K. CEGAVSKE Secretary of State 202 North Carson Street Carson City, Nevada 89701-4201 (775) 684-5708

Website: www.nvsos.gov

www.nvsilverflume.gov

Initial List and State Business License Application

Initial List Of Officers, Managers, Members, General Partners, Managing Partners, or Trustees

	Initial List Of Officers, Managers, Members,	General Partne	rs, Managing Partr	iers, or Trustees:
TES	USA Inc			
NAME	OF ENTITY			
TYPE	OR PRINT ONLY - USE DARK INK ONLY - DO NO	T HIGHLIGHT		
	RTANT: Read instructions before completing and returning the indicate the entity type (check only one):	is form.		
~	Corporation			
	This corporation is publicly traded, the Central Index	Key number is:	Filed in the Office of Barbara K. (egassle	Business Number E25768802022-3 Filing Number 20222576881 Filed On
	Nonprofit Corporation (see nonprofit sections below)		Secretary of State State Of Nevada	Number of Pages 2
	Limited-Liability Company			
	Limited Partnership			
	Limited-Liability Partnership			
	Limited-Liability Limited Partnership (if formed at the san	ne time as the Limite	ed Partnership)	
	Business Trust			
Additio	onal Officers, Managers, Members, General Partners, Manag	ing Partners, Trustee	s or Subscribers, may be	listed on a supplemental page.
Pursua	CONLY IF APPLICABLE Int to NRS Chapter 76, this entity is exempt from the business license 1000 - Governmental Entity 1000 - NRS 680B.020 Insurance Co, provide license or certificate of an			
	onprofit entities formed under NRS chapter 80: entities without		tion are required to maintain	a atata huginaga liganga
	is \$200.00. Those claiming and exemption under 501(c) designation			a state business licerise,
	Pursuant to NRS Chapter 76, this entity is a 501(c) nonprofit entity an Exemption Code 002	•		
organiz	Inprofit entities formed under NRS Chapter 81: entities which a ration that qualifies as a tax-exempt organization pursuant to 26 U.S Please indicate below if this entity falls under one of these categories.	.C \$ 501(c) are excluded	from the requirement to obt	ain a state business
these o	rategories please submit \$200.00 for the state business license. Unit-owners' Association Religious, charitabl pursuant to 26 U.S.	· · · · · ·	anization that qualifies as a ta	x-exempt organization
For no	nprofit entities formed under NRS Chapter 82 and 80: <u>Charital</u>	ole Solicitation Inform	ation - check applicable b	<u>ox</u>
_	e Organization intend to solicit charitable or tax deductible contribution	ns?		
=	No - no additional form is required			
=	Yes - the *Charitable Solicitation Registration Statement* is required.			
_	The Organization claims exemption pursuant to NRS 82A 210 - the *E. required	·	Ü	
	Failure to include the required statement form wil	I result in rejection of	f the filing and could resu	It in late fees.



Initial List and State Business License Application - Continued

Officers, Managers, Members, General Partners, Managing Partners or Trustees:

	· · · · · · · · · · · · · · · · · · ·	
CORPORATION, INDICATE THE PRESIDENT:		
Eric Ingebretsen		USA
Name		Country
5238 Royal Woods Parkway Suite 110	Tucker	GA 30084
Address	City	State Zip/Postal Code
CORPORATION, INDICATE THE <u>DIRECTOR</u> :		
Troy Wright		USA
Name		Country
5238 Royal Woods Parkway Suite 110	Tucker	GA 30084
Address	City	State Zip/Postal Code
None of the officers and directors identified in the list of of the identity of any person or persons exercising the power conduct. I declare, to the best of my knowledge under penalty of peacknowledge that pursuant to NRS 239.330, it is a category	er or authority of an officer erjury, that the information	or director in furtherance of any unlawful contained herein is correct and
in the office of the Secretary of State.		

X Troy Wright
Signature of Officer, Manager, Managing

Director

Title

Date

Signature of Officer, Manager, Managing
Member, General Partner, Managing Partner,
Trustee, Member, Owner of Business,
Partner or Authorized Signer FORM WILL BE RETURNED IF

UNSIGNED

SECRETARY OF STATE



DOMESTIC CORPORATION (78) CHARTER

I, BARBARA K. CEGAVSKE, the duly qualified and elected Nevada Secretary of State, do hereby certify that **TES USA Inc** did, on 08/29/2022, file in this office the original Articles of Incorporation-For-Profit that said document is now on file and of record in the office of the Secretary of State of the State of Nevada, and further, that said document contains all the provisions required by the law of the State of Nevada.



Certificate Number: B202208292959759 You may verify this certificate online at http://www.nvsos.gov IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Great Seal of State, at my office on 08/29/2022.

BARBARA K. CEGAVSKE Secretary of State

Borbara K. Cegovske





NEVADA STATE BUSINESS LICENSE

TES USA Inc

Nevada Business Identification # NV20222555676 Expiration Date: 08/31/2023

In accordance with Title 7 of Nevada Revised Statutes, pursuant to proper application duly filed and payment of appropriate prescribed fees, the above named is hereby granted a Nevada State Business License for business activities conducted within the State of Nevada.

Valid until the expiration date listed unless suspended, revoked or cancelled in accordance with the provisions in Nevada Revised Statutes. License is not transferable and is not in lieu of any local business license, permit or registration.

License must be cancelled on or before its expiration date if business activity ceases. Failure to do so will result in late fees or penalties which, by law, cannot be waived.

AL OF THE STATE OF

Certificate Number: B202208292959761

You may verify this certificate online at http://www.nvsos.gov

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Great Seal of State, at my office on 08/29/2022.

Barbara K. Cegarste

BARBARA K. CEGAVSKE Secretary of State

Certificate of Occupancy



Department of Building & Safety 240 Water Street Henderson, NV 89015 (702) 565-2332





CERTIFICATE OF OCCUPANCY

At the time of issuance, this building was deemed to be in substantial compliance with fire, safety and structural provisions of the adopted building codes based upon periodic inspections of work during construction. This certificate of occupancy should not be relied upon as evidence that the construction is in actual compliance with all applicable building codes or that the construction meets the minimum standards of a specific industry.

1100 MARY CREST RD

Situs Address

BINT 2004000376 Building Permit Number

Occupancy Group

III 1HR SP Construction Type

IG Zone Code GENERAL INDUSTRIAL Description

March 3, 2004 Date

Michael W. Bouse
Building Official

PACIFIC INDUSTRIAL PARK L L C 100 PRINGLE AVE #550 WALNUT CREEK CA 945967369

POST IN A CONSPICUOUS PLACE

Air Quality

TES-USA Recycling has applied for a Certificate of Exemption from air quality permitting with the Clark County Department of Environment & Sustainability, Division of Air Quality on February 27, 2023. A cope of the Certificate of Exemption will be provided to SNHD upon approval. A copy of the Certificate of Exemption application is provided below.

Certificate of Exemption



December 19, 2022

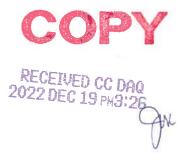
Project No. 22-01-183

Clark County Department of Environment & Sustainability Division of Air Quality 4701 West Russell Road Suite 200 – 2nd Floor Las Vegas, Nevada 89118

RE:

TES-AMM

Request for Certificate of Exemption



On behalf of TES-AMM, Broadbent & Associates, Inc. (Broadbent) is pleased to present a request for a Certificate of Exemption from Clark County Department of Environment & Sustainability, Division of Air Quality (DAQ) for the proposed TES-AMM facility. TES-AMM is an electronic repair and drive wiping company that plans to build an electronic repair/drive wiping center in Henderson, NV. Those hard drives and solid state drives that cannot be wiped will be processed through a shredder. Particulate emissions will be captured by a HEPA filter. No emission factors were found for this shredding operation and the HEPA filter manufacturer was unable to provide a grain loading rate. Accordingly, Broadbent is proposing to use the largest DAQ emission factor for crushing and assume 8,760 hours of operation at the maximum feed rate of the shredder. Using this approach, the maximum amount of uncontrolled PM₁₀ emitted from the process would be 0.43 tons/year. Based on this assessment, the facility does not meet the Minor Source threshold for requiring a permit in Clark County.

TES-AMM and Broadbent request that a draft copy of the Certificate of Exemption be emailed to both the source and the consultant for review prior to issuance. Should you have any questions regarding this submittal, please do not hesitate to contact me at <u>walexander@broadbentinc.com</u> or (702) 563-0600.

Sincerely,

Broadbent & Associates, Inc.

Wenty Olevander

Wendy Alexander Senior Engineer

Attachment:

Request for Certificate of Exemption

EC: mitchell.runko@tes-amm.com

Reviewed and Approved by:

Sergy INor

Sergy Orlov

Associate Environmental Scientist





4701 W. Russell Rd Suite 200 Las Vegas, NV 89118-2231 Phone (702) 455-5942 Fax (702) 383-9994

CERTIFICATE OF EXEMPTION TO: MINOR SOURCE PERMITTING

ISSUED TO: TES USA, Inc.

5238 Royal Woods Parkway, Suite 110

Tucker, Georgia 30084

SOURCE ID: 18187

SOURCE: TES-AMM

1100 Mary Crest Road Henderson, Nevada 89074

Issued by the Clark County Department of Environment and Sustainability, Division of Air Quality in accordance with Section 12.1 of the Clark County Air Quality Regulations.

Theodore A. Lendis, Permitting Manager

Date

Exempt Stationary Source Determination:

The Clark County Department of Environment and Sustainability, Division of Air Quality (DAQ) has received an application for the subject source. DAQ has determined the source's emissions of regulated air pollutants do not exceed the applicability thresholds; the source does not need to obtain a minor source permit under Section 12.1 of the Clark County Air Quality Regulations (AQRs) if

all equipment and activities emitting regulated air pollutants at the source conform to this certificate.

Table 1 lists the equipment and activities emitting regulated air pollutants at this exempt stationary source.

Table 1. Summary of Equipment and Activities Emitting Regulated Air Pollutants

Equipment/Activity Number	Description	Rating
A01	Solid-State Drive/Hard Drive Shredder	2,000 drives/hr

The emissions calculated for this exempt stationary source are based on the equipment and activities listed in Table 1. Table 2 summarizes the applicability emissions of all regulated air pollutants from this source that are relevant to applicability determinations.

Table 2. Permit Applicability Thresholds and Applicability Emissions (Tons/Year)

Pollutant	PM ₁₀	PM _{2.5}	NOx	СО	SO ₂	VOC	H₂S	Lead
Permit Applicability Thresholds	5	5	5	25	25	5	1	0.30
Source Applicability Emissions	1.02	0	0	0	0	0	0	0

Applicable Requirements:

Pursuant to AQR 26, no person shall cause, suffer, or permit any equipment or activity to discharge any air contaminant above an average 20% opacity for more than six consecutive minutes. Pursuant to AQRs 40 and 43, no person shall cause, suffer, or allow the source to discharge air contaminants (or other material) in quantities that will cause a nuisance, including excessive odors. However, no federal regulation has been identified for this source. The equipment and activities identified in this document may be subject to other state or local air quality regulations.

Required Compliance Demonstration:

- 1. The owner/operator shall create and maintain the following records, all of which must be producible on-site to the Control Officer's authorized representative upon request and without prior notice during the owner/operator's hours of operation:
 - a. Total monthly quantity of drives (solid-state and hard drives) shredded.
- 2. Any changes to the equipment and/or activities emitting regulated air pollutants will invalidate this certificate. Before exceeding the permit applicability thresholds for a minor stationary source, the owner/operator of this source must apply for and receive a permit for a stationary source pursuant to the AQRs.

DAQ has a Small Business Assistance Program (SBAP) to assist small business owners and operators with permitting and compliance matters. If you have any questions or require any further assistance, please contact DAQ at (702) 455-5942.



4701 W. Russell Rd Suite 200 Las Vegas, NV 89118-2231 Phone (702) 455-5942 Fax (702) 383-9994

CERTIFICATE OF EXEMPTION TECHNICAL SUPPORT DOCUMENT

Source Name: TES-AMM Source ID: 18187

SOURCE LOCATION: 1100 Mary Crest Road Henderson, Nevada 89074

Company Name: TES USA, Inc.

APPLICATION PREPARED BY: Broadbent & Associates, Inc.

CURRENT ACTION: Certificate of Exemption

Application Received: December 19, 2022

TSD Date: April 17, 2023

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Permitting Action	4
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A-1. Source Permit Applicability Calculations (tons per year)	6

ACRONYMS AND ABBREVIATIONS

(These terms may be seen in the technical support document)

AQR Clark County Air Quality Regulation

bhp brake horsepower

CARB California Air Resources Board

CE control efficiency CF control factor

CFR Code of Federal Regulations

CO carbon monoxide
DAQ Division of Air Quality
DOM date of manufacture
EF emission factor

EPA U.S. Environmental Protection Agency

EU emission unit

g/kW-hr grams per kilowatt-hour

gr/dscf grains per dry standard cubic foot GDO gasoline dispensing operation

gpm gallons per minute
HAP hazardous air pollutant
H₂S hydrogen sulfide
HHV high heating value

HVLP high volume, low pressure

kW kilowatt

mg/dscm milligrams per dry standard cubic meter
MMBtu British thermal units (in millions)

NAICS North American Industry Classification System

NO_x nitrogen oxide

Pb lead

 $PM_{2.5}$ particulate matter less than 2.5 microns in aerodynamic diameter PM_{10} particulate matter less than 10 microns in aerodynamic diameter

ppm parts per million

PSD Prevention of Significant Deterioration

PTE potential to emit

RACT reasonably available control technology RICE reciprocating internal combustion engine

SCC Source Classification Codes

scf standard cubic feet

SIC Standard Industrial Classification

SO₂ sulfur dioxide

TDS total dissolved solids

TSD Technical Support Document
UTM Universal Transverse Mercator
VAEL Voluntarily Accepted Emission Limit

VMT vehicle miles traveled VOC volatile organic compound

Technical Support Document

This TSD establishes the methodology related to the terms and conditions of its Minor Source Permit issued pursuant to Clark County Department of Air Quality Regulations (AQR) Section 12.1. The TSD shall not serve as the operating authority.

Source Description

TES-AMM is an electronic repair and drive wiping and recycling operation located in Hydrographic Area 212, the Las Vegas Valley. This source category falls under SIC code 5045, "Computers, Peripherals, and Software," and NAICS code 423430, "Computer and Computer Peripheral Equipment and Software Merchant Wholesalers." The source consists of a solid-state drive and hard drive shredder.

Permitting Action

This is a new source of air pollutants that is submitting an application for a new AQR 12.1 permit applicability determination.

The source is an exempt stationary source, as defined in AQR 12.1.1(a), and will be issued a Certificate of Exemption pursuant to AQR 12.1.2(b).

The responsible official is required to comply with recordkeeping requirements listed in the Certificate of Exemption.

Emission Units

Table 1 lists the emission units at this stationary source.

Table 1. Emission Units List

EU	Rating	Туре	Manufacturer	Model No.	Serial No.	SCC
A01	2000 drives/hr	Hard Drive/Solid State Drive Shredder	Ameri-Shred Corp.	AMS- 1000HD- SSD	TBD	31399999

Calculation of Emissions

Applicability

AQR 12.1.0 permitting applicability is determined by calculating the emissions for all proposed emission units using 8,760 hours of operation (except for emergency generators or fire pumps, which use 500 hours), any inherent controls, any inherent throughput limitations, and the emission factors provided by the manufacturer, by source test results, by EPA AP-42, or by other approved methods.

Applicability emissions include emissions from insignificant emission units and activities, but do not include fugitive emissions (except for categorical sources listed in AQR 12.2.2(j) or any other

stationary source category that, as of August 7, 1980, is being regulated under Sections 111 or 112 of the Act).

There are no AP-42 or DAQ emission factors for electronics shredding. Therefore, the permittee proposed using DAQ emission factors for alluvial stone crushing to estimate worst-case scenario emissions for the shredder. The maximum-rated capacity of the shredder (2,000 SSD/HD drives per hour) is based on the manufacturer's specifications. The average weight per drive (0.75 pounds) is based on estimates by the permittee.

DAQ recalculated applicability emissions for the source used using the AP-42 PM₁₀ emission factor for dry grinding of metallic minerals (EPA AP-42 Table 11.24-2). DAQ selected the metallic minerals grinding emission factor because it more closely approximates the process and materials for electronic shredding. The PM₁₀ emission factor for metallic mineral grinding (0.31 lbs/ton) is also higher than the alluvial crushing emission factor (0.13 lbs/ton), therefore providing a worst-case scenario for applicability emissions. The metallic minerals grinding emission factor does not include PM_{2.5}, so DAQ assumed PM_{2.5} emissions are equivalent to PM₁₀ emissions.

Applicability emissions calculations are included in the attachments.

Table 2 shows the thresholds for AQR 12.1.1(d) applicability.

Table 2. AQR 12.1.1(d) Applicability Emissions Evaluation (tons per year)

Pollutant	PM ₁₀	PM _{2.5}	NOx	СО	SO ₂	VOC	H₂S	Pb	HAP ¹
Applicability Thresholds	5	5	5	25	25	5	1	0.3	n/a
Major Source Thresholds	100	100	100	100	100	100	n/a	100	10/25
Nonattainment NSR Thresholds	100	100	100	100	100	100	n/a	100	n/a
PSD Thresholds	250	250	250	250	250	250	n/a	250	n/a
Applicability Emissions Total	1.02	1.02	0	0	0	0	0	0	0

¹10 tons for any single HAP, or 25 tons for any combination of HAP pollutants.

AQR 12.1 is applicable to any stationary source located in Clark County that has the potential to emit (PTE) a regulated air pollutant equal to or greater than the thresholds listed in AQR 12.1.1(d), as shown in Table 2, but less than the major source thresholds listed in AQRs 12.2.2(ff) or 12.3.2(r).

AQR 12.1 is also applicable to any Part 70 source that is exempt from the requirement to obtain a Part 70 operating permit and has a PTE that equals or exceeds the thresholds listed in AQR 12.1.1(d), or to any source that takes a voluntarily accepted emission limit or standard pursuant to AQR 12.1.7 to avoid obtaining a Part 70 operating permit. See the attachment for calculations.

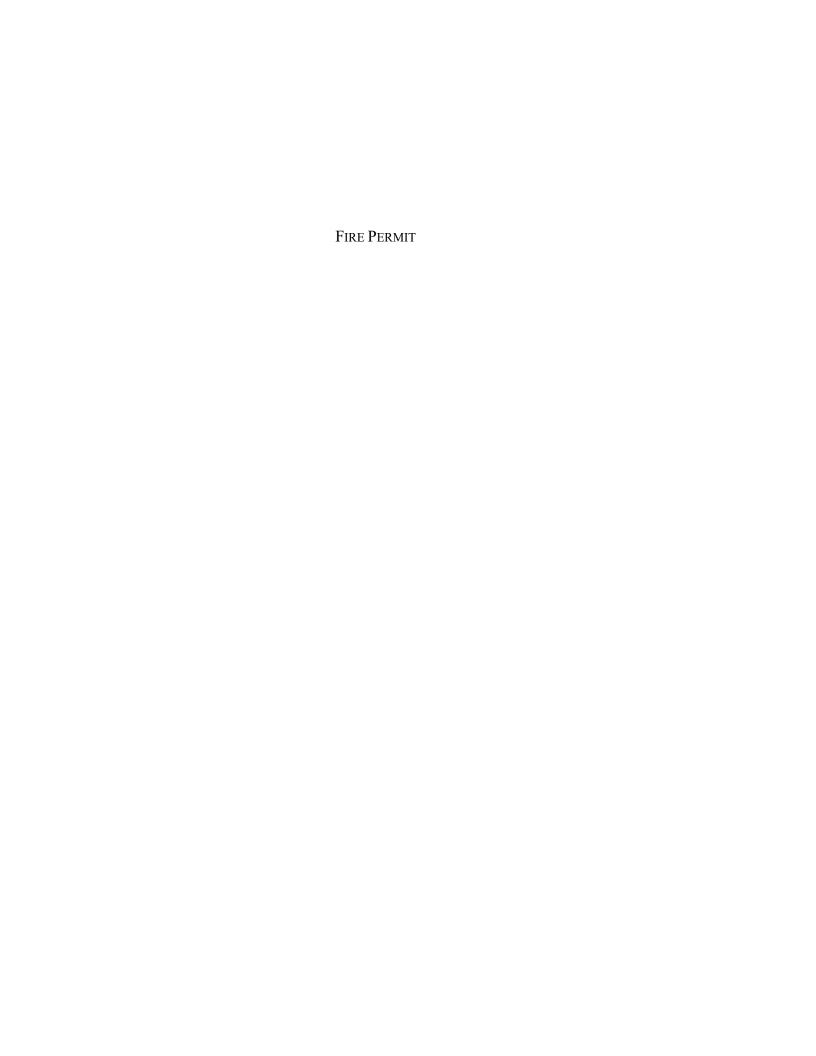
This source does not exceed any of the thresholds for a minor source and will not be subject to the permitting requirements of AQR 12.1. It will be an exempt stationary source, as defined in AQR 12.1.1(a), and will be issued a certificate of exemption pursuant to AQR 12.1.2(e).

Attachments

A-1. Source Permit Applicability Calculations (tons per year)

EU	Rating	Conditions	PM ₁₀	PM _{2.5}	NOx	СО	SO ₂	VOC	H₂S	Pb
A01	2,000 drives/hr	8,760 hr/yr	1.02	1.02	0	0	0	0	0	0
Permit Applicability Emissions			1.02	1.02	0	0	0	0	0	0

	Rating	Estimated Drive Weight ¹	Hours of Operation	Throu	ghput	EF ²	PM ₁₀	PTE	PM ₁₀	PTE
EU Description	(drives/hr	(lb/board)	hr/yr	lbs/yr	tons/yr	lb/ton	lb/yr	ton/yr	lb/yr	ton/yr
SSD/HD Shredder	2000	0.75	8760	13140000	6570	0.31	2036.7	1.02	2036.7	1.02
1 SSD/HD weight estimated by permittee										
² Emission factor sourced from EPA AP-42 Table 11.24-2, Emission Factors for Metallic Minerals Processing (dry grinding										
	SSD/HD Shredder SSD/HD weight estimat Emission factor sourced	EU Description (drives/hr SSD/HD Shredder 2000 SSD/HD weight estimated by permit Emission factor sourced from EPA A	Rating Weight¹ (drives/hr (Ib/board) SSD/HD Shredder 2000 0.75 SSD/HD weight estimated by permittee	Rating Weight¹ Operation (drives/hr (lb/board) hr/yr SSD/HD Shredder 2000 0.75 8760 SSD/HD weight estimated by permittee Emission factor sourced from EPA AP-42 Table 11.24-2, Emission Factor	Rating Weight¹ Operation Throu (drives/hr (lb/board) hr/yr lbs/yr SSD/HD Shredder 2000 0.75 8760 13140000 SSD/HD weight estimated by permittee Emission factor sourced from EPA AP-42 Table 11.24-2, Emission Factors for Metallic	Rating Weight¹ Operation Throughput EU Description (drives/hr (lb/board) hr/yr lbs/yr tons/yr SSD/HD Shredder 2000 0.75 8760 13140000 6570 SSD/HD weight estimated by permittee Emission factor sourced from EPA AP-42 Table 11.24-2, Emission Factors for Metallic Minerals Pro-	Rating Weight1 Operation Throughput EF2	Rating Weight¹ Operation Throughput EF² PM₁0 (drives/hr (lb/board) hr/yr lbs/yr tons/yr lb/ton lb/yr SSD/HD Shredder 2000 0.75 8760 13140000 6570 0.31 2036.7 SSD/HD weight estimated by permittee Emission factor sourced from EPA AP-42 Table 11.24-2, Emission Factors for Metallic Minerals Processing (dry grind	Rating Weight¹ Operation Throughput EF² PM₁₀ PTE EU Description (drives/hr (lb/board) hr/yr lbs/yr tons/yr lb/ton lb/yr ton/yr SSD/HD Shredder 2000 0.75 8760 13140000 6570 0.31 2036.7 1.02 SSD/HD weight estimated by permittee Emission factor sourced from EPA AP-42 Table 11.24-2, Emission Factors for Metallic Minerals Processing (dry grinding	Rating Weight¹ Operation Throughput EF² PM₁₀ PTE PM₁₀ SSD/HD Shredder 2000 0.75 8760 13140000 6570 0.31 2036.7 1.02 2036.7 SSD/HD weight estimated by permittee Emission factor sourced from EPA AP-42 Table 11.24-2, Emission Factors for Metallic Minerals Processing (dry grinding ————————————————————————————————————



Permit Number: EFAP2023239779

Permit Details | Tab Elements | Main Menu

Type: Fire Operational

(Renewable) Permit

Application

Applied Date: 03/15/2023

District: Gibson Springs Assigned To: DOCUMENTS, DSC Expire Date:

Issue Date:

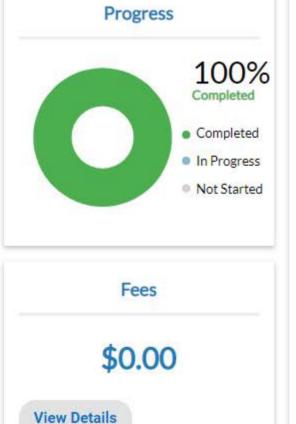
Status:

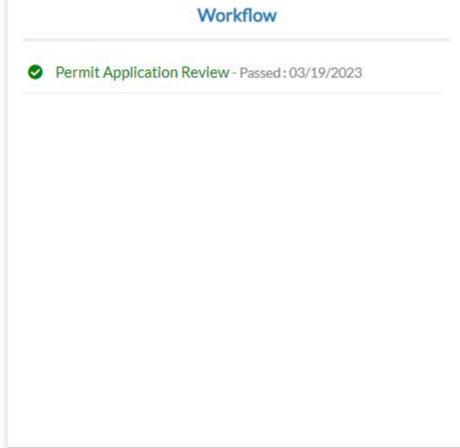
Done

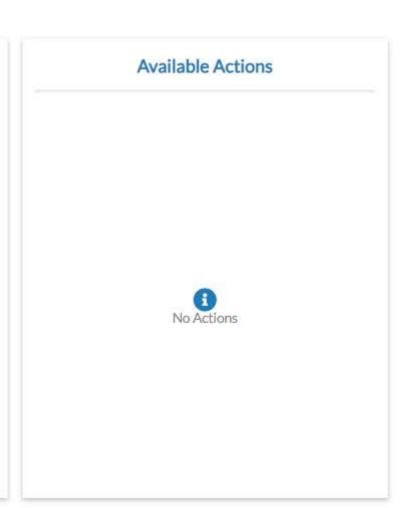
Finalized Date: 03/19/2023

Description: TES USA Inc - Biennial operational fire permit

Summary Locations Fees Reviews Attachments Contacts Sub-Records More Info







Project Name:



ENTITY INFORMATION ENTITY INFORMATION Entity Name: TES USA INC **Entity Number:** E25768802022-3 **Entity Type:** Domestic Corporation (78) **Entity Status:** Active **Formation Date:** 08/29/2022 **NV Business ID:** NV20222555676 **Termination Date:** Perpetual **Annual Report Due Date:** 8/31/2023

REGISTERED AGENT INFORMATION Name of Individual or Legal Entity: Registered Agents Inc. Status: Active **CRA Agent Entity Type: Registered Agent Type:** Non-Commercial Registered Agent **NV Business ID:** Office or Position: Jurisdiction: **Street Address:** 401 Ryland Street, Ste 200-A, Reno, NV, 89502, USA **Mailing Address:** 401 Ryland Street, Ste 200-A, Reno, NV, 89502, USA **Individual with Authority to Act: Fictitious Website or Domain Name:**

OFFICER INFORMATION

☐ VIEW HISTORICAL DATA

Title	Name	Address	Last Updated	Status
President	Eric Ingebretsen	5238 Royal Woods Parkway, Suite 110, Tucker, GA, 30084, USA	08/29/2022	Active
Director	Troy Wright	5238 Royal Woods Parkway, Suite 110, Tucker, GA, 30084, USA	08/29/2022	Active

Page 1 of 1, records 1 to 2 of 2

CURRENT SHARES

Class/Series	Туре	Share Number	Value	
		No records to view		

Number of No Par Value Shares:

170000

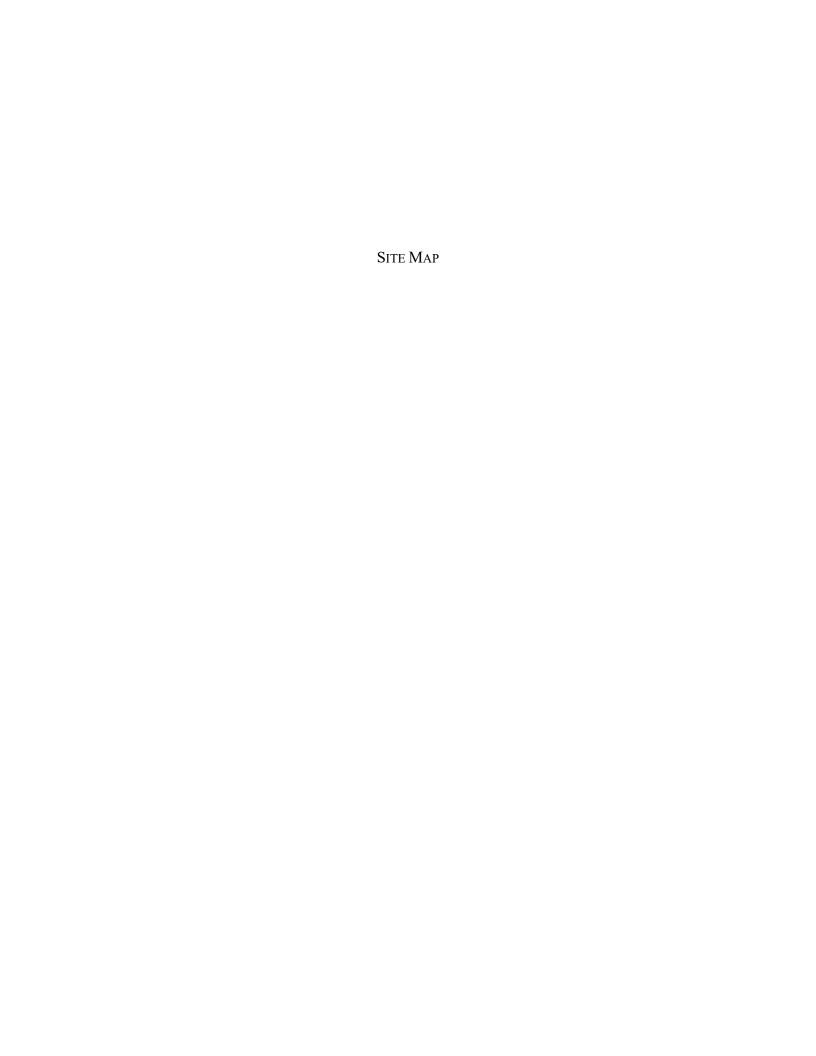
Total Authorized Capital:

170,000

Filing History Name History Mergers/Conversions

Return to Search

Return to Results





The MAPS and DATA are provided without warranty of any kind, expressed or implied. Date Created: 11/28/2022

Property Information

Parcel: 17815511057

Owner Name(s): B K M PACIFIC SOUTH 244 L L C

Site Address: 1100 MARY CREST RD

Jurisdiction:Henderson - nullZoning Classification:General Industrial (IG)

Planned Landuse: Incorporated Clark County (INCORP)

Misc Information

Subdivision Name: GIBSON BUSINESS PARK 3

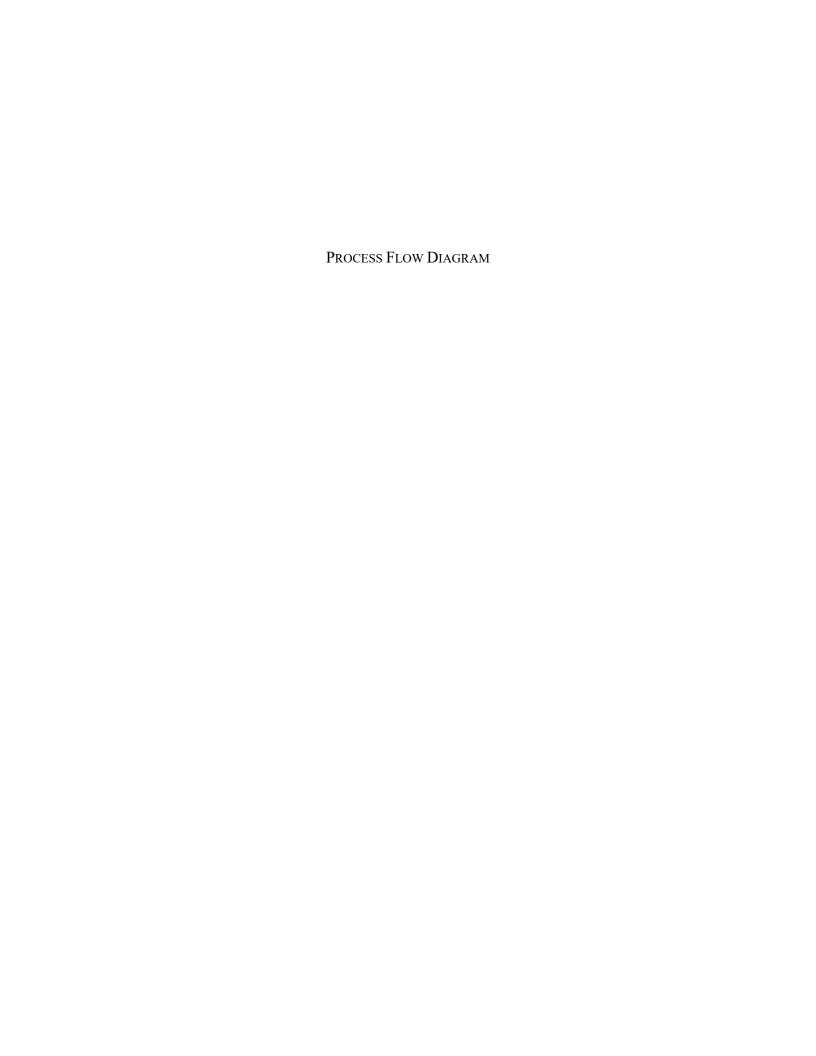
Lot Block: Lot:1 Block: **Construction Year:** 1996 Sale Date: Not Available T-R-S: 22-62-15 Sale Price: Not Available Census tract: 5115 **Recorded Doc Number:** 20201103 00000660 **Estimated Lot Size:** 2

Flight Date: 2022-09-23

Elected Officials

City Ward: **Commission:** G - Jim Gibson (D) 3 - John F. Marz **US Senate:** Jacky Rosen, Catherine Cortez-Masto **US Congress:** 1 - Dina Titus (D) **State Senate:** 5 - Carrie Ann Buck (R) State Assembly: 29 - Lesley E. Cohen (D) **School District:** A - Lisa Guzman **University Regent:** 12 - Amy Carvalho

Board of Education: 1 - Tim Hughes **Minor Civil Division:** Henderson





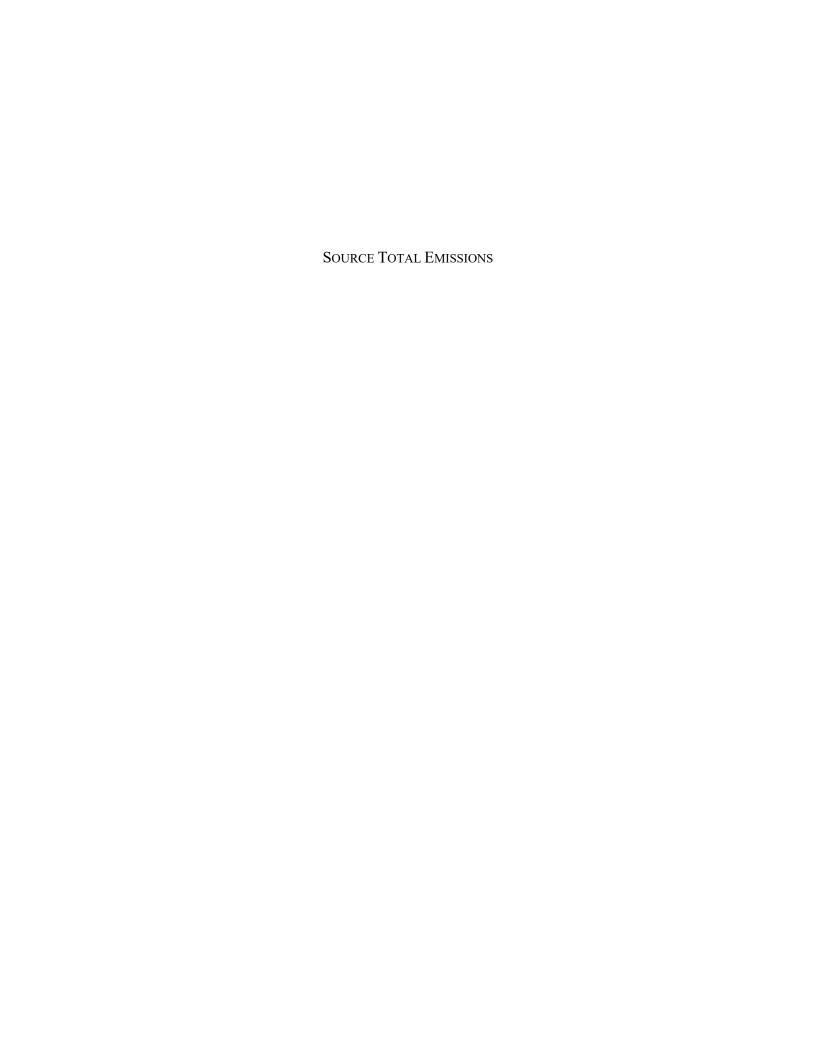


Shredding Process Flow Diagram
TES-AMM
1100 Mary Crest Road

1100 Mary Crest Road Henderson, NV 89074

Project No.22-01-183

FIGURE 1



Facility-Wide Uncontrolled Emissions

Pollutant	PM ₁₀	PM _{2.5}	NO _X	CO	SO _X	VOC
Tons per Year	0.43	0.08	0.00	0.00	0.00	0.00



	EU	Description	SCC	Rating/Capacity	Make	Model	Serial No.	Control
I		Hard Drive/Solid State Drive						
	NEW01	Shredder	31299999	0.75 tons/hr	Ameri-Shred Corp.	AMS 1000HD-SSD	TBD	HEPA Filter

NEW01 New emission unit

PRODUCTION INFORMATION INHERENT LIMITATIONS

Production Information

- It is requested that the throughput of the Shredder (NEW01) be limited to 6,570 tons per year.
- It is requested that the Shredder (NEW01) be permitted to operate up to 24 hours per day and 8,760 hours per year.

Inherent Limitations

There are no inherent limitations.



EU	Rating	Conditions	PM ₁₀	PM _{2.5}	NO _X	CO	SO_X	VOC
NEW01	0.75 tons/hr	8,760 hours/yr	0.43	0.08	-	-	-	-
Totals (tons/yr)			0.43	0.08	0.00	0.00	0.00	0.00
Permit Applicability (tons/yr)			5	5	5	25	25	5
Permit Required?	No	No	No	No	No	No		

NOTES: There is only one source of pollutants and it only emits particulate matter. This is for shredding electronic equipment, which will have less emissions than Alluvial crushing. The Alluvial crushing emission factors represent a worst case scenario for generating particulate matter.



TES-AMM Uncontrolled Emissions

Uncontrolled Emissions for Solid State Drive Shredder

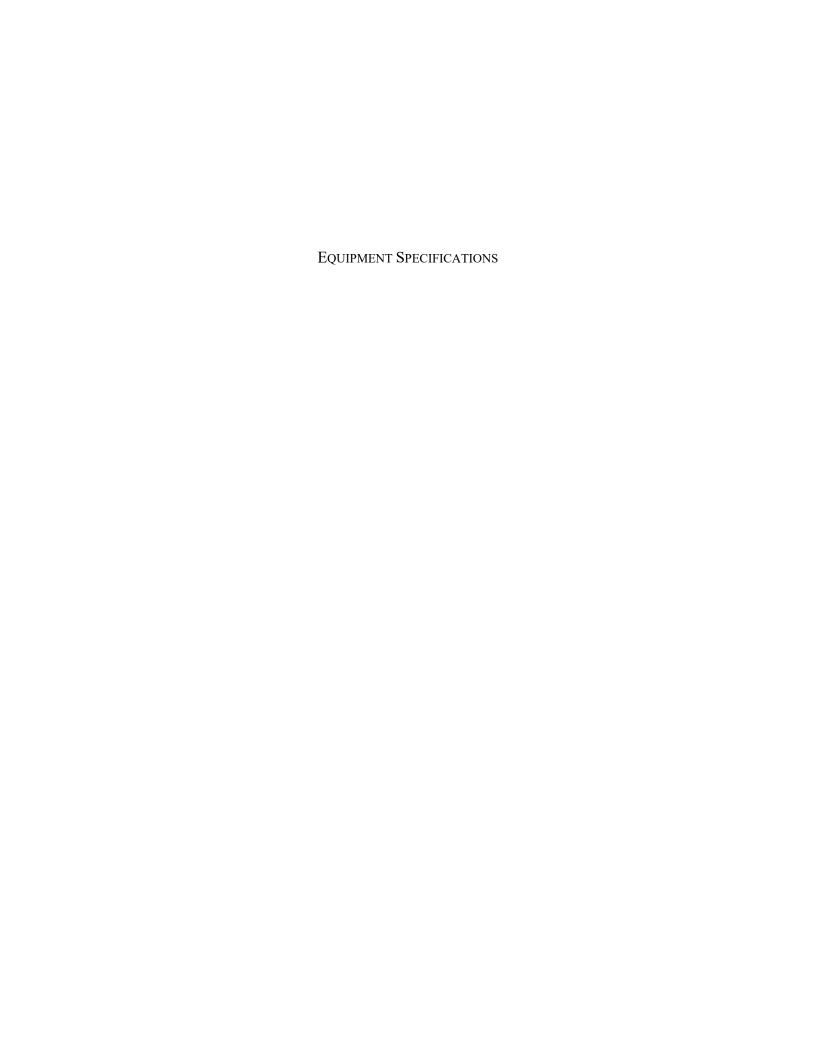
Model AMS-1000HD-SSD (NEW01)

	Facility Throughput	Mass per Circuit Board	Facility Throughput	Hours	Emission Factor: DAQ Alluvial Stone Crushing	Emission Factor: DAQ Alluvial Stone Crushing	Total Uncaptured PM10 Emissions			Total Un	Total Uncaptured PM2.5 Emissions		
Emission Unit	(boards/hr)	(lb/board)	(tons/hr)	(hours/yr)	(lb PM ₁₀ /ton)	(lb PM _{2.5} /ton)	(lb pollutant/hour)	(lb pollutant/year)	TPY PM10	(lb pollutant/hour)	(lb pollutant/year)	TPY PM2.5	
NEW01	2,000	0.75	0.75	8,760	0.13	0.025	0.098	854.10	0.43	0.019	164.25	0.08	

NOTE:

Uncontrolled emission factor for Alluvial crushing in Clark County. DAQ EF of 0.13lbs/ton PM 10 and 0.025 lbs/ton PM 2.5. These factors were selected as they are the largest emission factors for crushing. Board feeding into the machine is done by hand. Assumed one board every 3 seconds (significant overestimation) but we are using max rated capacity assuming a feeder (that won't be used)

Average Circuit Board mass provided by source from experience at similar facilities in the US





800-634-8981

info@ameri-shred.com

SSD & ROTARY DRIVE SHREDDERS:

750HD-SSD / 1000HD-SSD

SOLID STATE DRIVE SHREDDERS

AMS-500-SSD / 750-SSD / 1000-SSD

Options:

- Frame or stand model
- Fork pockets
- UL/CSA labeling
- Powder coat color
- Hard drive counter
- Air particulate system
- Stainless steel combers
- Lighted viewing window
- Backlit laser burned logos
- Mobile truck installations
- 3/4" and 1" shred widths on 10 HP

Voltage	Any 3-Phase
Infeed	11" W x 2.5" H
Motor	5, 7.5 or 10 HP
Shred Width	1-1/2", 1" or 3/4"
Frame Model	Discharge Conveyor
Stand Model	Infeed Conveyor
Frame Model	79" L x 60" W x 66" H
Stand Model	72" L x 48" W x 84" H





ТЦ	$P \cap I$	IGHPLIT	

Model Number	НР	Shred Widths	Solid State Drives / Hour	Standard Rotary Drives / Hour	Server Drives / Hour	Weight
AMS-1000HD-SSD	10	3/8" / 1.5"	2000	2000	1000	3400 Lbs.
AMS-750HD-SSD	7.5	3/8" / 1.5"	1800	1800	900	3000 Lbs.
AMS-1000HD-SSD	10	3/8" / 1"	1500	1500	750	3400 Lbs.
AMS-1000HD-SSD	10	3/8" / 3/4"	1000	1000	500	3400 Lbs.
AMS-500-SSD	5	3/8"	1500	N/A	N/A	2500 Lbs.
AMS-750-SSD	7.5	3/8"	1800	N/A	N/A	2700 Lbs.
AMS-1000-SSD	10	3/8"	2000	N/A	N/A	3100 Lbs.

800-634-8981

info@ameri-shred.com

AIR FILTRATION SYSTEMS

Optional on Solid State Drive Shredders: Series 2 & Series 3

The AMS air filtration system was designed to help reduce possible odors and/or contaminants from escaping into the atmosphere during solid state drive destruction.

Standard Features:

- Inexpensive and disposable pre-filter protects the blower and HEPA filter
- The blower is housed in cast aluminum
- The blast gate serves as an air flow control valve

SPECIFICATION CHART					
Motor	1 HP TEFC				
Air Flow	400 CFM at 3" static water gauge pressure				
Efficiency	99.97% on particles 0.3 micron and larger				



Ameri-Shred's air filtration systems consist of six major components which include the inlet, pre-filter, blower, blast gate, HEPA filter and ductwork.

An air filtration system must be part of your original order. It cannot be retrofit at a later date.



Federal Performance Standards





Additional Information Form

PLANNING COMMISSION

STAFF REVIEW DATE: 5/04/2023 **PLANNING COMMISSION DATE:** 6/15/2023

CONTACT PERSON:

MITCHELL RUNKO

5238 ROYAL WOODS PARKWAY

TUCKER, GA 30084

PHONE: (732) 749-0964

EMAIL: mitchell.runko@tes-amm.com

APPLICATION NUMBER:

CUP-2023012612

PROJECT NAME:

TES-AMM RECYCLING CENTER

PROJECT PLANNER:

CARLA BURRELL (702) 267-1519

CARLA.BURRELL@CITYOFHENDERSON.COM

The following information must be submitted to the departments indicated below by 9:00 am on <u>5/15/23</u> or the application(s) will be removed from the <u>6/15/23</u> Planning Commission agenda. Only those departments marked with an (X) below have requested copies of revisions.

X	Fire Dept. (FD)	Survey/Right-of-Way		Public Works-Traffic (PW-TR)
		(ROW)		
	Utility Services (US)	Parks & Recreation (PR)		Public Works-Land Development
				(PW-LD)
	PW – Flood (PW-FLD)	Community Police (CP)	X	Community Development (CD)

It is highly recommended that the applicant or representative attend the Planning Commission meeting; a vote may not occur if no representative is present.

ADDITIONAL INFO/REVISIONS REQUIRED

- 1. Provide responses to required standards for use...
- Please clarify what is being done to reduce the potentially hazardous nature of the 1% of recycled materials being diverted to landfills. In addition, please demonstrate why the identified 1% of recycled materials are <u>NOT</u> considered hazardous and indicate which Nevada Revised Statues (NRS) designates the distinction. (CD)
- It appears that the Clark County Certificate of Exemption was requested and received by Clark County on December 19, 2022. Please provide the approved Clark County Certificate of Exemption to be added to this CUP application. The draft copy from Clark County would suffice as well. (CD)
- 4. Please provide the anticipated percentage of refurbished materials versus those that may be destroyed (shredded) in this facility. (CD)
- 5. Please elaborate on the proposed "drive wiping" process and procedure mentioned in the Clark County request for Certificate of Exemption. (CD)
- 6. Please provide a haul route exhibit that documents the proposed haul route to and from the recycling center to/from collection sites and/or shipping locations. A traffic study may be required. Also, identify the number of anticipated trucks circulating through the facility daily. (CD)
- 7. Storing materials on the bare ground is prohibited by Code. Please identify how materials and/or recyclables will be stored; on an impervious surface, in boxes/bins/containers, etc. (CD)



Additional Information Form

- 8. Please clarify and provide the details (site plan, elevation, design details, color/materials, etc.) of the building modification involving the shredder mentioned in the justification letter. (CD)
- 9. Please identify any noise reduction strategies employed for the proposed operation. (CD)
- 10. Please clarify which shredder the applicant plans to utilize for the proposed operations one, the other, or both. Two are displayed in the backup information. (CD)
- 11. Please respond completely to Sec. 19.22.7.A.1. through 8 Required Findings for the Conditional Use Permit Application. (CD)
- 12. Applicant shall provide a Fire Protection & Risk Assessment Report prior to this item being heard at Planning Commission. This Report shall be prepared by an FPE registered in the State of Nevada and shall address haz-mat quantities and processes as well as battery storage and handling. (FD)

FYI ITEMS - NO REVISIONS REQUIRED:

13. None.



Additional Information Form

Electronic Submittal Instructions

UNTIL FURTHER NOTICE, ALL REVISIONS MUST BE EMAILED TO THE PROJECT PLANNER

ALL REVISIONS MUST BE EMAILED AS PDF DOCUMENTS

- All application revisions and additional information must be emailed in PDF format by the deadline referenced on the first page of the additional information form. Please email them to your Project Planner plus the staff members from each department marked with an "X" on your comment sheet. PLEASE DO NOT UPLOAD ANY ENTITLEMENT APPLICATION REVISIONS THROUGH A BLUEBEAM SESSION.
- 2. Provide a letter responding to each of the staff review comments. Number the responses according to each staff review comment number. Provide a copy of the staff review comment sheet with your re-submittal.