Equipment Name and Permit Info	Equipme	nt Process <sup>1</sup>	Types of Metal(s) Processed	Tank Information	Acid Concentration(s) (as used/mixed in solution)	NOx Source Test Information
	Metal Finishing:  ☐ Cleaning ☐ Chemical etching ☐ Chemical milling ☐ Acid pre-drip ☐ Passivation ☐ Sealing	Other:  ☐ Chemical manufacturing ☐ Precious metal reclamation ☐ Other (specify)	☐ Aluminum ☐ Titanium ☐ Magnesium ☐ Steel or stainless steel ☐ Other (List below)	Maximum Bath Temp:  ———°F  Bath Surface Area:  sqft	Average volume of nitric acid added monthly:Gallons	☐ Not Tested ☐ on// Emission Results:
Permit No:	☐ Electropolishing ☐ Chemical Stripping	Could this process be performed without the	Maximum depth of metal removed		Emission Controls <sup>2</sup>	
Nitric Acid limits?  ☐ No ☐ Yes (specify)%WT?gal/day? Other:	☐ Dye ☐ Chromate conversion or chem film coating	use of Nitric Acid?  Yes No If yes, please describe alternative:	microns -or-  Complete dissolution of metal	Add-on Controls:  None  Mist Eliminator Composite Mesh Pad Scrubber HEPA or ULPA Permit No:	For add-on controls only: Collection at equipment  Sealed tank or vessel Overhead hood Push-pull air Manifold at back of tank	For wet scrubbers only:  Multistage? Solution(s) used:  pH range:  ORP* range (if equipped):
			<del>,</del>	<u>,                                      </u>	*ORP – Oxidation	-Reduction Potential
Equipment Name and Permit Info	Equipme	nt Process <sup>1</sup>	Types of Metal(s) Processed	Tank Information	Acid Concentration(s) (as used/mixed in solution)	NOx Source Test Information
	Metal Finishing:  ☐ Cleaning ☐ Chemical etching ☐ Chemical milling	Other:  ☐ Chemical manufacturing ☐ Precious metal	☐ Aluminum ☐ Titanium ☐ Magnesium ☐ Steel or stainless steel	Maximum Bath Temp:  ———°F  Bath Surface Area:  sqft	Average volume of <b>nitric acid</b> added monthly:Gallons Nitric Acid%WtSpecify below if also used	☐ Not Tested ☐ on/_/ Emission Results:
	☐ Acid pre-drip ☐ Passivation ☐ Sealing	reclamation  Other (specify)	☐ Other (List below) ————————————————————————————————————	<i>34f</i> t	☐ Hydrochloric	
Permit No:	☐ Acid pre-drip☐ Passivation☐	reclamation	Other (List below)  Maximum depth of metal removed	<i>34ft</i>	☐ Hydrochloric%Wt ☐ Hydrofluoric%Wt ☐ Sulfuric%Wt ☐ Other acids%Wt	

Equipment Name and Permit Info	Fauinme	nt Process <sup>1</sup>	Types of Metal(s) Processed	Tank Information	Acid Concentration(s) (as used/mixed in solution)	NOx Source Test Information
and remit mio	Metal Finishing:  ☐ Cleaning ☐ Chemical etching ☐ Chemical milling ☐ Acid pre-drip ☐ Passivation ☐ Sealing	Other:  Chemical manufacturing  Precious metal reclamation  Other (specify)	☐ Aluminum ☐ Titanium ☐ Magnesium ☐ Steel or stainless steel ☐ Other (List below) ————————————————————————————————————	Maximum Bath Temp:  ——°F  Bath Surface Area:  sqft	Average volume of <b>nitric acid</b> added monthly:Gallons     Nitric Acid%Wt Specify below if also used Hydrochloric%Wt Hydrofluoric%Wt Sulfuric%Wt Other acids%Wt Specify:	☐ Not Tested ☐ on// Emission Results:
Permit No:	☐ Electropolishing ☐ Chemical Stripping	Could this process be performed without the	Maximum depth of metal removed		Emission Controls <sup>2</sup>	
Nitric Acid limits?  ☐ No ☐ Yes (specify)%WT?gal/day? Other:	☐ Dye ☐ Chromate conversion or chem film coating	use of Nitric Acid?  Yes No If yes, please describe alternative:	microns -or- □ Complete dissolution of metal	Add-on Controls:  None  Mist Eliminator Composite Mesh Pad Scrubber HEPA or ULPA Permit No:	For add-on controls only: Collection at equipment Sealed tank or vessel Overhead hood Push-pull air Manifold at back of tank	For wet scrubbers only:  Multistage? Solution(s) used:  pH range:  ORP* range (if equipped):
	<del>,</del>		<del>,</del>	<del>,</del>	*ORP – Oxidation	Reduction Potential
Equipment Name and Permit Info	Equipme	nt Process <sup>1</sup>	Types of Metal(s) Processed	Tank Information	Acid Concentration(s) (as used/mixed in solution)	NOx Source Test Information
	Metal Finishing:  ☐ Cleaning ☐ Chemical etching ☐ Chemical milling ☐ Acid pre-drip	Other:  ☐ Chemical manufacturing ☐ Precious metal reclamation ☐ Other (specify)	☐ Aluminum ☐ Titanium ☐ Magnesium ☐ Steel or stainless steel ☐ Other (List below) —————	Maximum Bath Temp:  ————°F  Bath Surface Area:  ——— sqft	Average volume of <b>nitric acid</b> added monthly:Gallons Nitric Acid%Wt Specify below if also used Hydrochloric%Wt Hydrofluoric%Wt Sulfuric%Wt	☐ Not Tested ☐ on// Emission Results:
	☐ Passivation☐ Sealing	□ Other (specify)			☐ Other acids%Wt Specify:	
Permit No:		Could this process be performed without the	Maximum depth of metal removed		☐ Other acids%Wt	

**Emission Controls<sup>2</sup>** 

For Wet Scrubbers only:

ORP range (if equipped):

☐ Multistage?

Solution(s) used:

pH range:

For add-on controls only:

Collection at equipment

☐ Sealed tank or vessel

☐ Manifold at back of tank

☐ Overhead hood

☐ Push-pull air

☐ Electropolishing

☐ Dye

☐ Chromate

film coating

Nitric Acid limits?

☐ Yes (specify)

%WT?

\_gal/day?

☐ No

Other:

☐ Chemical Stripping

conversion or chem

performed without the

If yes, please describe

use of Nitric Acid?

☐ Yes ☐ No

alternative:

C. Nitric Aci	d Tank Informat	ion (2 per page)				
<b>Equipment Name</b>			Types of Metal(s)		Acid Concentration(s)	NOx Source Test
and Permit Info	Equipme	nt Process <sup>1</sup>	Processed	Tank Information	(as used/mixed in solution)	Information
	Metal Finishing:  ☐ Cleaning ☐ Chemical etching ☐ Chemical milling ☐ Acid pre-drip ☐ Passivation ☐ Sealing	Other:  ☐ Chemical manufacturing ☐ Precious metal reclamation ☐ Other (specify)	☐ Aluminum ☐ Titanium ☐ Magnesium ☐ Steel or stainless steel ☐ Other (List below) —————	Maximum Bath Temp: °F  Bath Surface Area: sqft	Average volume of nitric acid added monthly:Gallons Nitric Acid%WtSpecify below if also used%Wt Hydrochloric%Wt Sulfuric%Wt Other acids%Wt Specify:	☐ Not Tested ☐ on// Emission Results:
Permit No:	☐ Electropolishing ☐ Chemical Stripping	Could this process be performed without the	Maximum depth of metal removed		Emission Controls <sup>2</sup>	
Nitric Acid limits?  ☐ No ☐ Yes (specify)%WT?gal/day? Other:	☐ Dye ☐ Chromate conversion or chem film coating	use of Nitric Acid?  Yes No If yes, please describe alternative:	microns _or- □ Complete dissolution of metal	Add-on Controls:  None  Mist Eliminator Composite Mesh Pad Scrubber HEPA or ULPA Permit No:	For add-on controls only: Collection at equipment Sealed tank or vessel Overhead hood Push-pull air Manifold at back of tank	For wet scrubbers only:  Multistage? Solution(s) used:  pH range:  ORP* range (if equipped):
					*ORP – Oxidation-	Reduction Potential
Equipment Name and Permit Info	Equipme	nt Process <sup>1</sup>	Types of Metal(s) Processed	Tank Information	Acid Concentration(s) (as used/mixed in solution)	NOx Source Test Information
	Metal Finishing:  ☐ Cleaning ☐ Chemical etching ☐ Chemical milling ☐ Acid pre-drip ☐ Passivation ☐ Sealing	Other:  ☐ Chemical manufacturing ☐ Precious metal reclamation ☐ Other (specify)	☐ Aluminum ☐ Titanium ☐ Magnesium ☐ Steel or stainless steel ☐ Other (List below) ————	Maximum Bath Temp:  ——°F  Bath Surface Area:  sqft	Average volume of <b>nitric acid</b> added monthly:Gallons Nitric Acid%Wt Specify below if also used Hydrochloric%Wt Hydrofluoric%Wt Sulfuric%Wt Other acids%Wt Specify:%Wt	☐ Not Tested ☐ on// Emission Results:
Permit No:	☐ Flectropolishing	Could this process be	Maximum depth of			

metal removed

-or-

☐ Complete dissolution

of metal

microns

Add-on Controls:

☐ Scrubber

☐ None

☐ Mist Eliminator

☐ Composite Mesh Pad

 $\square$  HEPA or  $\square$  ULPA

Permit No: \_\_\_\_

Equipment Name			Types of Metal(s)			NOx Source Test
and Permit Info	Equipmo	nt Process <sup>1</sup>	Processed	Tank Information	Acid Concentration(s)	Information
and Permit into				Maximum Bath Temp:	(as used/mixed in solution) Average volume of nitric acid	
	Metal Finishing:	Other:	☐ Aluminum	°F	added monthly:Gallons	☐ Not Tested
	☐ Cleaning	☐ Chemical	☐ Titanium		Nitric Acid%Wt	□ on//
	☐ Chemical etching	manufacturing	☐ Magnesium	Bath Surface Area:		Emission Results:
	☐ Chemical milling	☐ Precious metal	☐ Steel or stainless steel	sqft	Specify below if also used	
	☐ Acid pre-drip	reclamation	☐ Other (List below)		☐ Hydrochloric%Wt ☐ Hydrofluoric%Wt	
	·	☐ Other (specify)			□ Sulfuric %Wt	
	☐ Passivation				☐ Other acids%Wt	
	☐ Sealing				Specify:	
Permit No:	☐ Electropolishing	Could this process be	Maximum depth of		Emission Controls <sup>2</sup>	
	☐ Chemical Stripping	performed without the	metal removed	Add-on Controls:		For wet scrubbers only:
Nitric Acid limits?	□ Dye	use of Nitric Acid?		□ None	For add-on controls only: Collection at equipment	☐ Multistage?
□ No	☐ Chromate	☐ Yes ☐ No	microns	☐ Mist Eliminator	☐ Sealed tank or vessel	Solution(s) used:
☐ Yes (specify)	conversion or chem	If yes, please describe	-or-	☐ Composite Mesh Pad	☐ Overhead hood	
%WT?		alternative:	☐ Complete dissolution of metal	☐ Scrubber	☐ Push-pull air	pH range: ORP* range (if equipped):
gal/day?	film coating		of metal	☐ HEPA or ☐ ULPA	☐ Manifold at back of tank	OKP Talige (il equipped).
Other:				Permit No:		
<u> </u>			T	<u></u>	1	-Reduction Potential
Equipment Name			Types of Metal(s)		Acid Concentration(s)	NOx Source Test
		1				
and Permit Info		nt Process <sup>1</sup>	Processed	Tank Information	(as used/mixed in solution)	Information
and Permit Info	Equipment Metal Finishing:	Other:	Processed  ☐ Aluminum	Maximum Bath Temp:	(as used/mixed in solution) Average volume of <b>nitric acid</b>	
and Permit Info		1	Processed  ☐ Aluminum ☐ Titanium		(as used/mixed in solution)	Information
and Permit Info	Metal Finishing:	Other:	Processed  ☐ Aluminum ☐ Titanium ☐ Magnesium	Maximum Bath Temp:°F Bath Surface Area:	(as used/mixed in solution)  Average volume of <b>nitric acid</b> added monthly:Gallons Nitric Acid%Wt	Information  ☐ Not Tested
and Permit Info	Metal Finishing:  ☐ Cleaning ☐ Chemical etching	Other:  ☐ Chemical	Processed  ☐ Aluminum ☐ Titanium ☐ Magnesium ☐ Steel or stainless steel	Maximum Bath Temp:	(as used/mixed in solution)  Average volume of nitric acid added monthly:Gallons Nitric Acid%Wt Specify below if also used	Information  ☐ Not Tested ☐ on//
and Permit Info	Metal Finishing:  ☐ Cleaning ☐ Chemical etching ☐ Chemical milling	Other:  ☐ Chemical manufacturing	Processed  ☐ Aluminum ☐ Titanium ☐ Magnesium	Maximum Bath Temp:°F Bath Surface Area:	(as used/mixed in solution)  Average volume of nitric acid added monthly:Gallons   Nitric Acid%Wt Specify below if also used  Hydrochloric%Wt	Information  ☐ Not Tested ☐ on//
and Permit Info	Metal Finishing:  ☐ Cleaning ☐ Chemical etching ☐ Chemical milling ☐ Acid pre-drip	Other:  ☐ Chemical manufacturing ☐ Precious metal reclamation	Processed  ☐ Aluminum ☐ Titanium ☐ Magnesium ☐ Steel or stainless steel	Maximum Bath Temp:°F Bath Surface Area:	(as used/mixed in solution)  Average volume of nitric acid added monthly:Gallons Nitric Acid%Wt Specify below if also used	Information  ☐ Not Tested ☐ on//
and Permit Info	Metal Finishing:  ☐ Cleaning ☐ Chemical etching ☐ Chemical milling ☐ Acid pre-drip ☐ Passivation	Other:  ☐ Chemical manufacturing ☐ Precious metal	Processed  ☐ Aluminum ☐ Titanium ☐ Magnesium ☐ Steel or stainless steel	Maximum Bath Temp:°F Bath Surface Area:	(as used/mixed in solution)  Average volume of nitric acid added monthly:Gallons   Nitric Acid%Wt Specify below if also used Hydrochloric%Wt _ Hydrofluoric%Wt _ Sulfuric%Wt _ Other acids%Wt	Information  ☐ Not Tested ☐ on//
and Permit Info	Metal Finishing:  ☐ Cleaning ☐ Chemical etching ☐ Chemical milling ☐ Acid pre-drip ☐ Passivation ☐ Sealing	Other:  ☐ Chemical manufacturing ☐ Precious metal reclamation ☐ Other (specify)	Processed  Aluminum Titanium Magnesium Steel or stainless steel Other (List below)	Maximum Bath Temp:°F Bath Surface Area:	(as used/mixed in solution)  Average volume of nitric acid added monthly:Gallons   Nitric Acid%Wt  Specify below if also used Hydrochloric%Wt   _ Hydrofluoric%Wt   _ Sulfuric%Wt	Information  ☐ Not Tested ☐ on//
and Permit Info  Permit No:	Metal Finishing:  ☐ Cleaning ☐ Chemical etching ☐ Chemical milling ☐ Acid pre-drip ☐ Passivation	Other:  ☐ Chemical manufacturing ☐ Precious metal reclamation ☐ Other (specify)  Could this process be	Processed  Aluminum Titanium Magnesium Steel or stainless steel Other (List below)  Maximum depth of	Maximum Bath Temp:°F Bath Surface Area:	(as used/mixed in solution)  Average volume of nitric acid added monthly:Gallons   Nitric Acid%Wt Specify below if also used Hydrochloric%Wt _ Hydrofluoric%Wt _ Sulfuric%Wt _ Other acids%Wt	Information  ☐ Not Tested ☐ on//
Permit No:	Metal Finishing:  ☐ Cleaning ☐ Chemical etching ☐ Chemical milling ☐ Acid pre-drip ☐ Passivation ☐ Sealing	Other:  Chemical manufacturing Precious metal reclamation Other (specify)  Could this process be performed without the	Processed  Aluminum Titanium Magnesium Steel or stainless steel Other (List below)	Maximum Bath Temp:  ——— <sup>°F</sup> Bath Surface Area:  sqft	(as used/mixed in solution)  Average volume of nitric acid added monthly:Gallons   Nitric Acid%Wt Specify below if also used Hydrochloric%Wt _ Hydrofluoric%Wt _ Sulfuric%Wt Specify:	Information  ☐ Not Tested ☐ on// Emission Results:
Permit No:  Nitric Acid limits?	Metal Finishing:  ☐ Cleaning ☐ Chemical etching ☐ Chemical milling ☐ Acid pre-drip ☐ Passivation ☐ Sealing ☐ Electropolishing	Other:  Chemical manufacturing Precious metal reclamation Other (specify)  Could this process be performed without the use of Nitric Acid?	Processed  Aluminum Titanium Magnesium Steel or stainless steel Other (List below)  Maximum depth of metal removed	Maximum Bath Temp:°F Bath Surface Area:	(as used/mixed in solution)  Average volume of nitric acid added monthly:Gallons       Nitric Acid%Wt Specify below if also used Hydrochloric%Wt _ Hydrofluoric%Wt _ Sulfuric%Wt _ Other acids%Wt Specify:	Information  ☐ Not Tested ☐ on//
Permit No:  Nitric Acid limits?  □ No	Metal Finishing:  ☐ Cleaning ☐ Chemical etching ☐ Chemical milling ☐ Acid pre-drip ☐ Passivation ☐ Sealing ☐ Electropolishing ☐ Chemical Stripping ☐ Dye	Other:  ☐ Chemical manufacturing ☐ Precious metal reclamation ☐ Other (specify)  Could this process be performed without the use of Nitric Acid? ☐ Yes ☐ No	Processed  Aluminum Titanium Magnesium Steel or stainless steel Other (List below)  Maximum depth of metal removed  microns	Maximum Bath Temp:  ——— °F  Bath Surface Area:  sqft  Add-on Controls:	(as used/mixed in solution)  Average volume of nitric acid added monthly:Gallons   Nitric Acid%Wt Specify below if also used Hydrochloric%Wt _ Hydrofluoric%Wt _ Sulfuric%Wt	Information  ☐ Not Tested ☐ on//_ Emission Results:
Permit No:	Metal Finishing:  ☐ Cleaning ☐ Chemical etching ☐ Chemical milling ☐ Acid pre-drip ☐ Passivation ☐ Sealing ☐ Electropolishing ☐ Chemical Stripping ☐ Dye ☐ Chromate	Other:  ☐ Chemical manufacturing ☐ Precious metal reclamation ☐ Other (specify)  Could this process be performed without the use of Nitric Acid? ☐ Yes ☐ No If yes, please describe	Processed  Aluminum Titanium Magnesium Steel or stainless steel Other (List below)  Maximum depth of metal removed  microns -or-	Maximum Bath Temp:  ——— °F  Bath Surface Area: ——— saft  Add-on Controls:  — None  — Mist Eliminator  — Composite Mesh Pad	(as used/mixed in solution)  Average volume of nitric acid added monthly:Gallons   Nitric Acid%Wt Specify below if also used Hydrochloric%Wt _ Hydrofluoric%Wt _ Sulfuric%Wt _ Other acids%Wt   Specify:	Information  ☐ Not Tested ☐ on//_ Emission Results:  For Wet Scrubbers only: ☐ Multistage? Solution(s) used:
Permit No:  Nitric Acid limits?  □ No	Metal Finishing:  ☐ Cleaning ☐ Chemical etching ☐ Chemical milling ☐ Acid pre-drip ☐ Passivation ☐ Sealing ☐ Electropolishing ☐ Chemical Stripping ☐ Dye	Other:  ☐ Chemical manufacturing ☐ Precious metal reclamation ☐ Other (specify)  Could this process be performed without the use of Nitric Acid? ☐ Yes ☐ No	Processed  Aluminum Titanium Magnesium Steel or stainless steel Other (List below)  Maximum depth of metal removed  microns	Maximum Bath Temp:  ——— °F  Bath Surface Area:  ——— sqft  Add-on Controls:  — None  — Mist Eliminator	(as used/mixed in solution)  Average volume of nitric acid added monthly:Gallons   Nitric Acid%Wt Specify below if also used Hydrochloric%Wt _ Hydrofluoric%Wt _ Sulfuric%Wt _ Other acids%Wt   Specify:	Information  ☐ Not Tested ☐ on//_ Emission Results:  For Wet Scrubbers only: ☐ Multistage?

Equipment Name and Permit Info	Equipmo	nt Process <sup>1</sup>	Types of Metal(s) Processed	Tank Information	Acid Concentration(s)	NOx Source Test Information
and remit into	Metal Finishing:  ☐ Cleaning ☐ Chemical etching ☐ Chemical milling ☐ Acid pre-drip ☐ Passivation ☐ Sealing	Other:  Chemical manufacturing  Precious metal reclamation  Other (specify)	☐ Aluminum ☐ Titanium ☐ Magnesium ☐ Steel or stainless steel ☐ Other (List below) ————————————————————————————————————	Maximum Bath Temp:  ———  Bath Surface Area:  sqft	(as used/mixed in solution)  Average volume of nitric acid added monthly:Gallons Nitric Acid%Wt Specify below if also used Hydrochloric%Wt _ Hydrofluoric%Wt _ Sulfuric%Wt _ Other acids%Wt Specify:	☐ Not Tested ☐ on// Emission Results:
Permit No:	☐ Electropolishing ☐ Chemical Stripping	Could this process be performed without the	Maximum depth of metal removed		Emission Controls <sup>2</sup>	
Nitric Acid limits?  ☐ No ☐ Yes (specify)%WT?gal/day? Other:	☐ Dye ☐ Chromate conversion or chem film coating	use of Nitric Acid?  Yes No If yes, please describe alternative:	microns -or- □ Complete dissolution of metal	Add-on Controls:  None  Mist Eliminator Composite Mesh Pad Scrubber HEPA or ULPA Permit No:	For add-on controls only: Collection at equipment Sealed tank or vessel Overhead hood Push-pull air Manifold at back of tank	For wet scrubbers only:  Multistage? Solution(s) used:  pH range:  ORP* range (if equipped):
					*ORP – Oxidation-	-Reduction Potential
Equipment Name and Permit Info	Equipme	nt Process <sup>1</sup>	Types of Metal(s) Processed	Tank Information	Acid Concentration(s) (as used/mixed in solution)	NOx Source Test Information
	Metal Finishing:					
	☐ Cleaning ☐ Chemical etching ☐ Chemical milling ☐ Acid pre-drip ☐ Passivation ☐ Sealing	Other:  ☐ Chemical manufacturing ☐ Precious metal reclamation ☐ Other (specify)	☐ Aluminum ☐ Titanium ☐ Magnesium ☐ Steel or stainless steel ☐ Other (List below) —————	Maximum Bath Temp: °F  Bath Surface Area:	Average volume of nitric acid added monthly:Gallons Nitric Acid%WtSpecify below if also used  Hydrochloric%Wt   Hydrofluoric%Wt   Sulfuric%Wt   Other acids%Wt   Specify:	☐ Not Tested ☐ on// Emission Results:
Permit No:	☐ Cleaning ☐ Chemical etching ☐ Chemical milling ☐ Acid pre-drip ☐ Passivation	☐ Chemical manufacturing ☐ Precious metal reclamation	☐ Titanium ☐ Magnesium ☐ Steel or stainless steel	Bath Surface Area:	added monthly:Gallons Nitric Acid%Wt Specify below if also used  Hydrochloric%Wt  Hydrofluoric%Wt  Sulfuric%Wt  Other acids%Wt	□ on//

Equipment Name			Types of Metal(s)			NOx Source Test
and Permit Info	Equipmo	nt Process <sup>1</sup>	Processed	Toul Information	Acid Concentration(s)	Information
and Permit Inio				Tank Information  Maximum Bath Temp:	(as used/mixed in solution)  Average volume of <b>nitric acid</b>	
	Metal Finishing:	Other:	□ Aluminum	°F	added monthly:Gallons	☐ Not Tested
	☐ Cleaning	☐ Chemical	☐ Titanium		Nitric Acid%Wt	□ on//
	☐ Chemical etching	manufacturing	☐ Magnesium	Bath Surface Area:		Emission Results:
	☐ Chemical milling	☐ Precious metal	☐ Steel or stainless steel	sqft	Specify below if also used  ☐ Hydrochloric%Wt	
	☐ Acid pre-drip	reclamation	☐ Other (List below)		☐ Hydrochloric%Wt ☐ Hydrofluoric%Wt	
		☐ Other (specify)			□ Sulfuric %Wt	
	☐ Passivation				☐ Other acids%Wt	
	☐ Sealing				Specify:	
Permit No:	☐ Electropolishing	Could this process be performed without the	Maximum depth of		Emission Controls <sup>2</sup>	
	☐ Chemical Stripping	use of Nitric Acid?	metal removed	Add-on Controls:	For add-on controls only:	For wet scrubbers only:
Nitric Acid limits?	□ Dye		microns	□ None	Collection at equipment	☐ Multistage?
□ No	☐ Chromate	☐ Yes ☐ No	microns -or-	☐ Mist Eliminator	☐ Sealed tank or vessel	Solution(s) used:
☐ Yes (specify)	conversion or chem	If yes, please describe	□ Complete dissolution	☐ Composite Mesh Pad	☐ Overhead hood	
%WT?	film coating	alternative:	of metal	☐ Scrubber	☐ Push-pull air	pH range: ORP* range (if equipped):
gal/day?	min coating		of metal	☐ HEPA or ☐ ULPA  Permit No:	☐ Manifold at back of tank	Oili Talige (ii equippea).
Other:				Permit No.	*****	
Ft			T 1/-\			-Reduction Potential
Equipment Name	Farringe	nt Process <sup>1</sup>	Types of Metal(s)	Tauli lufamastian	Acid Concentration(s)	NOx Source Test
and Permit Info		<u> </u>	Processed	Tank Information  Maximum Bath Temp:	(as used/mixed in solution)  Average volume of <b>nitric acid</b>	Information
	Metal Finishing:	Other:	☐ Aluminum			☐ Not Tested
			· ·	°F	added monthly: Gallons	
	☐ Cleaning	☐ Chemical	☐ Titanium	°F	added monthly:Gallons Nitric Acid%Wt	□ on//
	<ul><li>☐ Cleaning</li><li>☐ Chemical etching</li></ul>	☐ Chemical manufacturing	☐ Magnesium	Bath Surface Area:	Nitric Acid%Wt	☐ on//_ Emission Results:
	☐ Chemical etching		☐ Magnesium☐ Steel or stainless steel		Nitric Acid%WtSpecify below if also used	
	☐ Chemical etching ☐ Chemical milling	manufacturing	☐ Magnesium	Bath Surface Area:	Nitric Acid%WtSpecify below if also used □ Hydrochloric%Wt	
	☐ Chemical etching ☐ Chemical milling ☐ Acid pre-drip	manufacturing  ☐ Precious metal reclamation	☐ Magnesium☐ Steel or stainless steel	Bath Surface Area:	Nitric Acid%WtSpecify below if also used	
	☐ Chemical etching ☐ Chemical milling ☐ Acid pre-drip ☐ Passivation	manufacturing  ☐ Precious metal	☐ Magnesium☐ Steel or stainless steel	Bath Surface Area:	Nitric Acid	
	☐ Chemical etching ☐ Chemical milling ☐ Acid pre-drip ☐ Passivation ☐ Sealing	manufacturing ☐ Precious metal reclamation ☐ Other (specify)	☐ Magnesium ☐ Steel or stainless steel ☐ Other (List below) ————————————————————————————————————	Bath Surface Area:	Nitric Acid%Wt Specify below if also used    Hydrochloric%Wt    Hydrofluoric%Wt    Sulfuric%Wt	
Permit No:	☐ Chemical etching ☐ Chemical milling ☐ Acid pre-drip ☐ Passivation ☐ Sealing ☐ Electropolishing	manufacturing  ☐ Precious metal reclamation	☐ Magnesium☐ Steel or stainless steel	Bath Surface Area:	Nitric Acid	
	☐ Chemical etching ☐ Chemical milling ☐ Acid pre-drip ☐ Passivation ☐ Sealing ☐ Electropolishing ☐ Chemical Stripping	manufacturing ☐ Precious metal reclamation ☐ Other (specify)  Could this process be	☐ Magnesium ☐ Steel or stainless steel ☐ Other (List below) —————  Maximum depth of	Bath Surface Area:	Nitric Acid%Wt Specify below if also used    Hydrochloric%Wt   Hydrofluoric%Wt   Sulfuric%Wt   Other acids%Wt   Specify:	Emission Results:  For Wet Scrubbers only:
Nitric Acid limits?	☐ Chemical etching ☐ Chemical milling ☐ Acid pre-drip ☐ Passivation ☐ Sealing ☐ Electropolishing ☐ Chemical Stripping ☐ Dye	manufacturing  □ Precious metal reclamation □ Other (specify)  Could this process be performed without the	☐ Magnesium ☐ Steel or stainless steel ☐ Other (List below) —————  Maximum depth of	Bath Surface Area: sqft  Add-on Controls:  □ None	Nitric Acid%Wt Specify below if also used    Hydrochloric%Wt   Hydrofluoric%Wt   Sulfuric%Wt   Other acids%Wt   Specify:  Emission Controls <sup>2</sup> For add-on controls only: Collection at equipment	Emission Results:  For Wet Scrubbers only:  ☐ Multistage?
Nitric Acid limits?  □ No	☐ Chemical etching ☐ Chemical milling ☐ Acid pre-drip ☐ Passivation ☐ Sealing ☐ Electropolishing ☐ Chemical Stripping	manufacturing  ☐ Precious metal reclamation ☐ Other (specify)  Could this process be performed without the use of Nitric Acid? ☐ Yes ☐ No	☐ Magnesium ☐ Steel or stainless steel ☐ Other (List below) —————  Maximum depth of metal removed	Bath Surface Area: sqft  Add-on Controls:  □ None □ Mist Eliminator	Nitric Acid%Wt Specify below if also used    Hydrochloric%Wt   Hydrofluoric%Wt   Other acids%Wt   Specify:  Emission Controls <sup>2</sup> For add-on controls only: Collection at equipment   Sealed tank or vessel	Emission Results:  For Wet Scrubbers only:
Nitric Acid limits?  ☐ No ☐ Yes (specify)	☐ Chemical etching ☐ Chemical milling ☐ Acid pre-drip ☐ Passivation ☐ Sealing ☐ Electropolishing ☐ Chemical Stripping ☐ Dye	manufacturing  Precious metal reclamation  Other (specify)  Could this process be performed without the use of Nitric Acid?  Yes No If yes, please describe	☐ Magnesium ☐ Steel or stainless steel ☐ Other (List below) —————  Maximum depth of metal removed  microns	Bath Surface Area: sqft  Add-on Controls: None Mist Eliminator Composite Mesh Pad	Nitric Acid%Wt Specify below if also used    Hydrochloric%Wt   Hydrofluoric%Wt   Other acids%Wt   Specify:  Emission Controls <sup>2</sup> For add-on controls only: Collection at equipment   Sealed tank or vessel   Overhead hood	Emission Results:  For Wet Scrubbers only:  ☐ Multistage?
Nitric Acid limits?  □ No	☐ Chemical etching ☐ Chemical milling ☐ Acid pre-drip ☐ Passivation ☐ Sealing ☐ Electropolishing ☐ Chemical Stripping ☐ Dye ☐ Chromate	manufacturing  ☐ Precious metal reclamation ☐ Other (specify)  Could this process be performed without the use of Nitric Acid? ☐ Yes ☐ No	☐ Magnesium ☐ Steel or stainless steel ☐ Other (List below) —————  Maximum depth of metal removed  ———————————————————————————————————	Bath Surface Area: sqft  Add-on Controls:  □ None □ Mist Eliminator	Nitric Acid%Wt Specify below if also used    Hydrochloric%Wt   Hydrofluoric%Wt   Other acids%Wt   Specify:  Emission Controls <sup>2</sup> For add-on controls only: Collection at equipment   Sealed tank or vessel	For Wet Scrubbers only:  Multistage? Solution(s) used:

Equipment Name and Permit Info	Equipme	nt Process <sup>1</sup>	Types of Metal(s) Processed	Tank Information	Acid Concentration(s) (as used/mixed in solution)	NOx Source Test Information
	Metal Finishing:  ☐ Cleaning ☐ Chemical etching ☐ Chemical milling ☐ Acid pre-drip ☐ Passivation ☐ Sealing	Other:  ☐ Chemical manufacturing ☐ Precious metal reclamation ☐ Other (specify)	☐ Aluminum ☐ Titanium ☐ Magnesium ☐ Steel or stainless steel ☐ Other (List below)	Maximum Bath Temp:  ———°F  Bath Surface Area:  sqft	Average volume of nitric acid added monthly:Gallons	☐ Not Tested ☐ on// Emission Results:
Permit No:	☐ Electropolishing ☐ Chemical Stripping	Could this process be performed without the	Maximum depth of metal removed		Emission Controls <sup>2</sup>	
Nitric Acid limits?  ☐ No ☐ Yes (specify)%WT?gal/day? Other:	☐ Dye ☐ Chromate conversion or chem film coating	use of Nitric Acid?  Yes No If yes, please describe alternative:	micronsor- □ Complete dissolution of metal	Add-on Controls:  None  Mist Eliminator Composite Mesh Pad Scrubber HEPA or ULPA Permit No:	For add-on controls only: Collection at equipment Sealed tank or vessel Overhead hood Push-pull air Manifold at back of tank	For wet scrubbers only:  Multistage? Solution(s) used:  pH range:  ORP* range (if equipped):
					*ORP – Oxidation-	Reduction Potential
Equipment Name and Permit Info	Equipme	nt Process <sup>1</sup>	Types of Metal(s) Processed	Tank Information	Acid Concentration(s) (as used/mixed in solution)	NOx Source Test Information
	Metal Finishing:  ☐ Cleaning ☐ Chemical etching ☐ Chemical milling ☐ Acid pre-drip ☐ Passivation ☐ Sealing	Other:  ☐ Chemical manufacturing ☐ Precious metal reclamation ☐ Other (specify)	☐ Aluminum ☐ Titanium ☐ Magnesium ☐ Steel or stainless steel ☐ Other (List below) ————————————————————————————————————	Maximum Bath Temp:  ———°F  Bath Surface Area:  sqft	Average volume of nitric acid added monthly:Gallons Nitric Acid%WtSpecify below if also used Hydrochloric%Wt Sulfuric%Wt Other acids%Wt Specify:	☐ Not Tested ☐ on// Emission Results:
Permit No:	☐ Electropolishing ☐ Chemical Stripping	Could this process be performed without the	Maximum depth of metal removed		Emission Controls <sup>2</sup>	
Nitric Acid limits?  ☐ No ☐ Yes (specify)%WT?gal/day? Other:	☐ Dye ☐ Chromate conversion or chem film coating	use of Nitric Acid?  Yes No If yes, please describe alternative:	microns -or- □ Complete dissolution of metal	Add-on Controls:  ☐ None ☐ Mist Eliminator ☐ Composite Mesh Pad ☐ Scrubber ☐ HEPA or ☐ ULPA Permit No:	For add-on controls only: Collection at equipment Sealed tank or vessel Overhead hood Push-pull air Manifold at back of tank	For Wet Scrubbers only:  Multistage? Solution(s) used:  pH range: ORP range (if equipped):

Equipment Name and Permit Info	Fauinme	nt Process <sup>1</sup>	Types of Metal(s) Processed	Tank Information	Acid Concentration(s) (as used/mixed in solution)	NOx Source Test Information
and remit into	Metal Finishing:  ☐ Cleaning ☐ Chemical etching ☐ Chemical milling ☐ Acid pre-drip ☐ Passivation ☐ Sealing	Other:  Chemical manufacturing  Precious metal reclamation  Other (specify)	☐ Aluminum ☐ Titanium ☐ Magnesium ☐ Steel or stainless steel ☐ Other (List below)	Maximum Bath Temp:  ——°F  Bath Surface Area:  sqft	Average volume of <b>nitric acid</b> added monthly:Gallons     Nitric Acid%Wt Specify below if also used      Hydrochloric%Wt      Hydrofluoric%Wt     Sulfuric%Wt     Other acids%Wt     Specify:	☐ Not Tested ☐ on//_ Emission Results:
Permit No:	☐ Electropolishing ☐ Chemical Stripping	Could this process be performed without the	Maximum depth of metal removed		Emission Controls <sup>2</sup>	
Nitric Acid limits?  ☐ No ☐ Yes (specify)%WT?gal/day? Other:	☐ Dye ☐ Chromate conversion or chem film coating	use of Nitric Acid?  Yes No If yes, please describe alternative:	microns Corplete dissolution of metal	Add-on Controls:  None  Mist Eliminator Composite Mesh Pad Scrubber HEPA or ULPA Permit No:	For add-on controls only: Collection at equipment Sealed tank or vessel Overhead hood Push-pull air Manifold at back of tank	For wet scrubbers only:  Multistage? Solution(s) used:  pH range:  ORP* range (if equipped):
					*ORP – Oxidation-	-Reduction Potential
Equipment Name and Permit Info	Equipme	nt Process <sup>1</sup>	Types of Metal(s) Processed	Tank Information	Acid Concentration(s) (as used/mixed in solution)	NOx Source Test Information
	Metal Finishing:  ☐ Cleaning ☐ Chemical etching ☐ Chemical milling ☐ Acid pre-drip	Other:  ☐ Chemical manufacturing ☐ Precious metal reclamation	☐ Aluminum ☐ Titanium ☐ Magnesium ☐ Steel or stainless steel ☐ Other (List below)	Maximum Bath Temp:  ———°F  Bath Surface Area:  sqft	Average volume of nitric acid added monthly:Gallons Nitric Acid%WtSpecify below if also used	☐ Not Tested ☐ on// Emission Results:
	☐ Passivation ☐ Sealing	☐ Other (specify)			☐ Hydrofluoric%Wt ☐ Sulfuric%Wt ☐ Other acids%Wt Specify:	
Permit No:	☐ Passivation		Maximum depth of metal removed		☐ Sulfuric%Wt ☐ Other acids%Wt	

<b>Equipment Name</b>		_ 1	Types of Metal(s)		Acid Concentration(s)	NOx Source Test
and Permit Info		nt Process <sup>1</sup>	Processed	Tank Information	(as used/mixed in solution)	Information
	Metal Finishing:  ☐ Cleaning ☐ Chemical etching ☐ Chemical milling ☐ Acid pre-drip ☐ Passivation ☐ Sealing	Other:  ☐ Chemical manufacturing ☐ Precious metal reclamation ☐ Other (specify)	☐ Aluminum ☐ Titanium ☐ Magnesium ☐ Steel or stainless steel ☐ Other (List below) ————	Maximum Bath Temp: °F  Bath Surface Area:	Average volume of nitric acid added monthly:Gallons Nitric Acid%WtSpecify below if also usedHydrochloric%WtHydrofluoric%WtSulfuric%WtOther acids%WtSpecify:	☐ Not Tested ☐ on// Emission Results:
Permit No:	☐ Electropolishing ☐ Chemical Stripping	Could this process be performed without the	Maximum depth of metal removed		Emission Controls <sup>2</sup>	
Nitric Acid limits?  ☐ No ☐ Yes (specify)%WT?gal/day? Other:	☐ Chemical stripping ☐ Dye ☐ Chromate conversion or chem film coating	use of Nitric Acid?  Yes No If yes, please describe alternative:	microns -or- □ Complete dissolution of metal	Add-on Controls:  None Mist Eliminator Composite Mesh Pad Scrubber HEPA or ULPA Permit No:	For add-on controls only: Collection at equipment Sealed tank or vessel Overhead hood Push-pull air Manifold at back of tank	For wet scrubbers only:  Multistage? Solution(s) used:  pH range:  ORP* range (if equipped):
					*ORP – Oxidation-	-Reduction Potential
Equipment Name		1	Types of Metal(s)		Acid Concentration(s)	NOx Source Test
and Permit Info		nt Process <sup>1</sup>	Processed	Tank Information	(as used/mixed in solution)	Information
	Metal Finishing:  ☐ Cleaning ☐ Chemical etching ☐ Chemical milling ☐ Acid pre-drip ☐ Passivation ☐ Sealing	Other:  ☐ Chemical manufacturing ☐ Precious metal reclamation ☐ Other (specify)	☐ Aluminum ☐ Titanium ☐ Magnesium ☐ Steel or stainless steel ☐ Other (List below) —————	Maximum Bath Temp: °F  Bath Surface Area:	Average volume of nitric acid added monthly:Gallons Nitric Acid%WtSpecify below if also usedHydrochloric%Wt Hydrofluoric%Wt Sulfuric%Wt Other acids%Wt Specify:	☐ Not Tested ☐ on// Emission Results:
Permit No:	☐ Electropolishing ☐ Chemical Stripping	Could this process be performed without the	Maximum depth of metal removed		Emission Controls <sup>2</sup>	
Nitric Acid limits?  ☐ No ☐ Yes (specify)%WT?gal/day?	☐ Dye ☐ Chromate conversion or chem film coating	use of Nitric Acid?  Yes No If yes, please describe alternative:	microns -or-  Complete dissolution of metal	Add-on Controls:  ☐ None ☐ Mist Eliminator ☐ Composite Mesh Pad ☐ Scrubber ☐ HEPA or ☐ ULPA Permit No:	For add-on controls only: Collection at equipment Sealed tank or vessel Overhead hood Push-pull air Manifold at back of tank	For Wet Scrubbers only:  Multistage? Solution(s) used:  pH range: ORP range (if equipped):

		<u> </u>				
Equipment Name		1	Types of Metal(s)		Acid Concentration(s)	NOx Source Test
and Permit Info		nt Process <sup>1</sup>	Processed	Tank Information	(as used/mixed in solution)	Information
	Metal Finishing:  ☐ Cleaning ☐ Chemical etching ☐ Chemical milling ☐ Acid pre-drip ☐ Passivation ☐ Sealing	Other:  ☐ Chemical manufacturing ☐ Precious metal reclamation ☐ Other (specify)	☐ Aluminum ☐ Titanium ☐ Magnesium ☐ Steel or stainless steel ☐ Other (List below) —————	Maximum Bath Temp: °F  Bath Surface Area:	Average volume of nitric acid added monthly:Gallons Nitric Acid%WtSpecify below if also used  Hydrochloric%Wt Hydrofluoric%Wt Sulfuric%Wt Specify:%Wt Specify:%Wt	☐ Not Tested ☐ on// Emission Results:
Permit No:	☐ Electropolishing ☐ Chemical Stripping	Could this process be performed without the	Maximum depth of metal removed		Emission Controls <sup>2</sup>	
Nitric Acid limits?  ☐ No ☐ Yes (specify)	☐ Dye ☐ Chromate conversion or chem film coating	use of Nitric Acid?  Yes No If yes, please describe alternative:	micronsor- □ Complete dissolution of metal	Add-on Controls:  None  Mist Eliminator  Composite Mesh Pad Scrubber HEPA or ULPA Permit No:	For add-on controls only: Collection at equipment Sealed tank or vessel Overhead hood Push-pull air Manifold at back of tank	For wet scrubbers only:   Multistage?  Solution(s) used:  pH range:  ORP* range (if equipped):
			<u>,                                      </u>	<b>,</b>	*ORP – Oxidation-	Reduction Potential
Equipment Name and Permit Info	Equipmer	nt Process <sup>1</sup>	Types of Metal(s) Processed	Tank Information	Acid Concentration(s) (as used/mixed in solution)	NOx Source Test Information
	Metal Finishing:  ☐ Cleaning ☐ Chemical etching ☐ Chemical milling ☐ Acid pre-drip ☐ Passivation ☐ Sealing	Other:  ☐ Chemical manufacturing ☐ Precious metal reclamation ☐ Other (specify)	☐ Aluminum ☐ Titanium ☐ Magnesium ☐ Steel or stainless steel ☐ Other (List below)	Maximum Bath Temp:  ———°F  Bath Surface Area:  sqft	Average volume of nitric acid added monthly:Gallons Nitric Acid%WtSpecify below if also used Hydrochloric%Wt Sulfuric%Wt Other acids%Wt Specify:	☐ Not Tested ☐ on// Emission Results:
Permit No:	☐ Electropolishing ☐ Chemical Stripping	Could this process be performed without the	Maximum depth of metal removed		Emission Controls <sup>2</sup>	
Nitric Acid limits?  ☐ No ☐ Yes (specify)%WT?gal/day? Other:	☐ Dye ☐ Chromate conversion or chem film coating	use of Nitric Acid?  Yes No If yes, please describe alternative:	microns -or-  Complete dissolution of metal	Add-on Controls:  ☐ None ☐ Mist Eliminator ☐ Composite Mesh Pad ☐ Scrubber ☐ HEPA or ☐ ULPA Permit No:	For add-on controls only: Collection at equipment Sealed tank or vessel Overhead hood Push-pull air Manifold at back of tank	For Wet Scrubbers only:  Multistage? Solution(s) used:  pH range: ORP range (if equipped):