

#### NAMMO DEFENSE SYSTEMS INC

October 14, 2024

Jocelyn Clark, P.E., Civil/Environmental Engineer Land, Chemicals and Redevelopment Division, RCRA Branch United States Environmental Protection Agency, Region 9 75 Hawthorne Street, LND-4-2 San Francisco, California 94105

VIA ELECTRONIC MAIL

Re: Third Quarter 2024 Progress Report, Nammo Defense

**Systems Inc. Facility** 

Mesa, Arizona

Dear Ms. Clark:

Pursuant with Paragraph 34 of the Administrative Order on Consent between Nammo Defense Systems Inc. (NDS) and the United States Environmental Protection Agency Region 9 (EPA) effective 9 February 2021, this report submittal includes a summary of the activities completed during the third quarter (Q3) 2024.

#### **CONTACT INFORMATION AND CHANGES IN PROJECT PERSONNEL**

Contact Name and Position	Contact Information	Changes
Jocelyn Clark, EPA, Special Projects Coordinator	Clark.jocelyn@EPA.gov (415) 972-3324	No change
Matthew Trask, NDS, Director, Ethics and Compliance	Mtrask@Nammo.us (480) 898-2495	No change
Carole Thompson, NDS, Communications Manager	Cthompson@Nammo.us (480) 898-2565	No change
Kate Blatchford, NDS, Environmental Remediation Manager	Kblatchford@Nammo.us (480) 490-8911	No change



Fabrizio Mascioni, Geosyntec Consultants, Project Manager	Fmascioni@Geosyntec.com (602) 513-5816	No change
Isaac Roll, Geosyntec Consultants, Senior Engineer	Iroll@Geosyntec.com (602) 513-5829	No change

#### SIGNIFICANT ACTIVITIES DURING REPORTING PERIOD

# **Meetings**

- Biweekly meetings were conducted between EPA, Arizona Department of Environmental Quality (ADEQ), NDS, and its consultants including Geosyntec, related to the Consent Order Project, except July 4<sup>th</sup> for the holiday, and September 12, when the EPA was unavailable.
- Monthly meetings were conducted with ADEQ, NDS, and its consultants related to the Voluntary Remediation Program Project.

#### **NDS Communications**

 Revised CRP Document submitted to EPA on 9/10/24 (original submission 8/3/23).

#### **Consent Order Project**

#### Deliverables:

- Alternative groundwater sampling contractor Quality Management Plan submitted 8/14/24.
- Second Quarter 2024 Groundwater Monitoring Report, Former TTU, Nammo Defense Systems Inc., Mesa, Arizona submitted 8/27/24.
- Second Quarter 2024 Former TTU Interim Remedial Action (IRA) Report Nammo submitted 8/27/24.
- Second Quarter TTU GIS and Laboratory Database Package submitted 9/11/24.

#### Field Activities:

- TTU Evaporator carbon pretreatment pilot test completed 8/19/24 through 8/22/24.
- Q3 2024 groundwater sampling was conducted from 8/26/24 through 8/28/24.



#### **Notable Analytical Results:**

Perchlorate concentrations at well TTU-6 were observed at 309 micrograms per liter (ug/l). Historically, concentrations of perchlorate from the past three sampling events were under 20 ug/l. Since this concentration exceeds an order of magnitude from the past three events, the well was immediately resampled on 9/24/24. Perchlorate was observed in the resample at a concentration of 246 ug/l. Per the Contingency Plan for Groundwater Contamination Limit Exceedance at Primate Facility Well No. 2 (Geosyntec, 2023) NDS will have well TTU-6 sampled monthly for three months starting in October.

Results from the Washington National Primate Research Center well PF-2, located on Salt River Pima-Maricopa Indian Community (SRPMIC) property, did not exceed the site-specific perchlorate concentration limit of 6.4  $\mu$ g/l or the trigger level (TL) of 3.2  $\mu$ g/l.

#### Remediation Systems Update:

#### Evaporator Unit

- During Q2 the evaporator system processed approximately 21,080 gallons of water.
- Approximately 2,150 gallons of water was collected from the wells by NDS and sent for offsite disposal due to evaporator being down prior to the well evacuation event. A copy of Evaporator Interim Remedial Action (IRA) System O&M Form, manifests, and the waste profile are provided in **Attachment A.**
- The pumping wells were shut off on 7/12/24 through 7/15/24 due to a power outage.
- On 7/22/24 the system was shut down due to a pump malfunction, however it was restored on the same day.
- From 8/19/24 through 8/22/24, Geosyntec performed a carbon pretreatment pilot test using the well water that is usually processed in the evaporator.
- Water used in the carbon pretreatment pilot test was processed through the evaporator system starting on 8/22/24.
- From 8/30/24 through 9/5/24 the system was down due to a malfunctioning of the level sensor.

# Action Items for Next Reporting Period:

- Submittal of Q3 2024 Former TTU Groundwater Monitoring Report 60 days from end of quarter (11/30/24).
- Completion of Q4 2024 groundwater sampling (proposed November 2024).
- Submittal of a GIS and Laboratory Database package including Q3 2024 groundwater monitoring data (11/30/24).
- Complete and evaluate results for Carbon Pretreatment Pilot Test for TTU Evaporator System.



#### Plant 3 and Former Water Bore Out (WBO) Project

#### Deliverables:

- Semiannual (Q1, Q2) 2024 Groundwater Monitoring Report, Former WBO, Nammo Defense Systems Inc., Mesa, Arizona submitted 8/27/24.
- Semiannual (Q1, Q2) 2024 Former WBO Fluidized Bed Reactor (FBR) Interim Remedial Action (IRA) Report submitted 8/27/24.
- Semiannual (Q1, Q2) 2024 Former WBO Soil Vapor Extraction (SVE) Interim Remedial Action (IRA) Report submitted 8/27/24.
- Second Quarter WBO GIS and Laboratory Database Package submitted 9/11/24.
- NT-21 and NT-22 permitting submitted to City of Mesa with traffic control plans.

#### Field Activities:

• Q3 2024 groundwater sampling was conducted from 8/26/24 through 8/28/24.

# Notable Analytical Results:

 Q3 2024 Groundwater Monitoring- Concentrations of perchlorate were observed at NT-5 slightly increased in concentrations (14,800 ug/l) from the previous sampling event.

# Action Items for Next Reporting Period:

- Completion of Q3 2024 quarterly sampling (proposed November 2024).
- Pull pump from FBR extraction well EXT-2 for evaluation.
- Permitting and Installation of shallow wells NT-21 and NT-22.

# Remediation System Updates:

Hydraulic Containment FBR System

Between 7/1/24 and 9/30/24, the FBR system operated continuously at an average flow rate of approximately 340 gallons per minute, pumping exclusively during this time period from EXT-1. Approximately 107.3 pounds of perchlorate was removed during Q2 operation.

FBR-230 was offline from 6/6/24 through 7/11/24, when the recirculation pump was re-installed. Both FBRs experienced down time due to a power outage from 7/27/24 through 7/29/24 and between 8/3/24 and 8/5/24 due to a low voltage alarm at EXT-1, believed to be related to a separate power loss event. FBR-230 experienced approximately 3 days of downtime between 9/16 and 9/19 while the recirculation pump was pulled for repairs, and approximately 3 days of downtime from 9/28 to 9/30 due to a phosphoric acid check valve malfunction.



In late September Weber Water Resources was onsite and confirmed that the pump in well EXT-2 was not functioning. NDS plans to pull the pump from EXT-2 and evaluate it for repair or replacement as soon as possible.

Soil Vapor Extraction System (Plant 3)

The system has run continually since May 2024, totaling approximately 3,042.9 run hours since start up with an average flow rate of 123 cubic feet per minute (cfm) from well SVE-01 for Q3. Influent concentrations of 1,1-DCE averaged 133 ug/l and a total of approximately 264.9 pounds of 1,1-DCE have been removed to date. Influent concentrations of TCE averaged 177.33 ug/l and a total of approximately 347.8 pounds of TCE have been removed to date.

If you have any questions about this report, please contact Matthew Trask at <a href="Mtrask@Nammo.us">Mtrask@Nammo.us</a> or at 480.898.2495.

Sincerely,

NAMMO DEFENSE SYSTEMS INC.

By:

Kate Blatchford

**Environmental Remediation Manager** 



# **ATTACHMENT A**

Wastewater Manifests Evaporator IRA System O&M Form Wastewater Profile



# LIQUID ENVIRONMENTAL SOLUTIONS

# NON-HAZARDOUS WASTE MANIFEST

214979

				Profile Number					
TTILL	ell Water 50	36486	D659644	213910					
Generator Name	Name: Generator Address		Address: 4111 N Maley Pd						
Name	Phone: (1111) 6 3-41039	Address	City:	State: Zip: Zip:					
Check with your state and local regulatory agencies for manifest retention requirements. NOTE: Many regulatory agencies require records to be kept on-site and available to review for up to 3 years.									
Waste Type	☐ Grease Trap ☐ Grit Trap ☐ Septic/Che☐ Used Cooking Oil	emical Toilet	Non-Industrial Recyclable Uscd Oi	☐ Industrial ☐ Special					
I certify that the waste material removed from the above premises does not contain any radioactive, flammable, explosive, toxic or hazardous material ("Excluded Waste"). The term "hazardous material" is defined as any one or more pollutant, toxic substance, hazardous substance, solvent or oil as defined in or pusuant to the Resource Conservation and Recovery Act, the Comprehensive Environmental Response Compensation and Liability Act, the Federal Clean Water Act, or any other federal, state or local environmental law, regulation, ordinance, or rule, whether existing as of the date of this agreement or subsequently enacted. I also acknowledge that the Generator shall be responsible for any costs incurred by the Transporter or Disposal Facility in handling or proper disposal of any hazardous waste and that the Generator expressly agrees to defend, indemnify and hold harmless the Transporter from and against any and all damages, costs, fines and liabilities resulting from or arising out of any such hazardous waste.									
Generator Rep. Name (please print)	Dard Crayus	Generator Rep. Signature	Vaint!	Venagel					
Transporter Name	Name: Aux ) 54% 5650	Transporter Address	Address: 211 th	State: CH Zip: 91099					
Waste		Date		Time					
Removed (Gallons)	2150	4/5	124	9,40 am					
	the information above is accurate, and that only th vehicle. I am aware that falsification of this manif			Generator is contained in					
Driver Name (please print)		Driver Signature							
Disposal Facility	Liquid Environmental Solutions of Arizona	Address		st Van Buren Street nix, AZ 85043					
Waste		Date		Time					
Received (Gallons)	Worm	1111							
Facility Rep. Name (please print)		Facility Rep. Signature							

WHITE - Generator Final Copy YELLOW - Liquid Environmental Solutions Copy GOLDENROD - Transporter Copy PINK - Generator 1st Copy

# **EVAPORATOR IRA SYSTEM O&M FORM**

DATE: 9/2/2024 INSPECTOR: David Venegas

<b>EXTRACTION WELL</b>	VOL. ON ARRIVAL	VOL. REMAINING	VOL. EXTRACTED
	(GAL)	(GAL)	(GAL)
TTU-1	1000	0	1000
TTU-2	1000	0	1000
TTU-20			

Tank Level Info: Multiply tank level by 1,000 to calculate gallons (example: 0.125 x 1000= 125) 1/8= 125 GAL| 1/4= 250 GAL| 3/8= 375 GAL | 1/2= 500 GAL| 5/8 = 625 GAL| 3/4 = 750 GAL| 7/8 = 875 GAL| 1 = 1,000 GAL

CYCLE TIME:		FILTER CHANGE?	Y/N
EVAPORATOR WELL WATER	VOL. ON ARRIVAL (GAL)	VOL. DELIVERED (GAL)	VOL. IN TANK (GAL)
	1050	950	2000
TANK			

Tank Level Info: Multiply tank level by 3,000 to calculate gallons (example: 0.125 x 3000= 375)
0.125= 375 GAL| 0.250= 750 GAL| 0.375= 1125 GAL |0.500= 1500 GAL| 0.625= 1,875 GAL| 0.750= 2,000 GAL| 0.875 = 2,625 GAL| 1= 3,000 GAL

RESIDUE WATER TANK	VOL. IN TANK (GAL)	VOL. PUMPED FROM EVAPORATOR (GAL)	VOL. REMAINING IN TANK (GAL)	VOL. IN EVAP PAN (GAL)	VOL. PUMPED INTO EVAP PAN (GAL)	VOL. REMOVED FROM EVAP PAN (GAL)	VOL. REMAINIG IN EVAP PAN (GAL)

Tank Level Info: Multiply tank level by 500 to calculate gallons (example: 0.125 x 500= 63)

1/8= 63 GAL| 1/4= 125 GAL| 3/8= 190 GAL | 1/2= 250 GAL| 5/8 = 315 GAL| 3/4 = 375 GAL| 7/8 = 440 GAL| 1= 500 GAL

COMMENTS: Pumped remaining totes into holding tanks which totals 950 gallons. 9/5 well were extracted and shipped offsite.



# UNIFORM WASTE PROFILE 866-694-7327 www.liquidenviro.com

Internal Use Only:
Profile #: 213911
Account #: Approved Non-Approved
Subcategory A B C C

ENVIRONMENTAL	www	.liquiden	viro	.com		Subcategor	V A $\square$ B	ه اثا		ı
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Name: NAMMO DEFENSE SYSTEMS INC	MINISTER STATES		and the same	Name:	ACTENVIRO					
Address: 4111 N HIGLEY ROAD				Address:	6212 S 75th Ave #4					
Cily: MESA State: AZ	Zip: 85215			Cily:	Laveen		p: 85339			
Contact: Antonio Curiale Title: Main Conta Phone: (480)898-2261 Fax:	ct		7.4	Contact: Phone:	Cindy Duncan (602)509-9591	Title: Project Manag	9r			
Phone: (480)898-2261 Fax: Email: acuriale@nammo.us				Email:		Fax: com and scokely@actenviro.c	om			
WASTE QUESTIONNAIRE (CHECK ALL T	HAT APPLY)	古色岩岩	39645					A LANGE		
Non-hazardous Wasle			III IN COM		LEM ELLANS		Commercial			No.
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If yes to the above, identify the listing.	L. 40 OFB 0640	0	<b>(a)</b>	0	Is this a virgin or off-sp	ec product? (If Yes, must include	MSDS)			
Has this material been mixed with a hazardous waste as defined	-	0	•	0	1. Unused Produ	ct or Chemical	O	•	0	
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Domestic Wastes?	*******************************	8	8	ğ	5 Panracantation	s Sample Provided			_	
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If yes, list PCB level:			•	•	coolants or petrole	eum products				
<ol> <li>Does this Used Oil contain less (&lt;) than or equal to 1,000 mg/L T (TOX)? * If no, rebuttal per 40 CFR 279.10(b)(1)(ii) must be included.</li> </ol>			•	0			92			
7. Is this Used Oil soluble in water?		Ö	0	ō						
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GENERATOR CERTIFICATION AND GUARANTEE - PLEASE READ AND SIGN BELOW

One Time

O Weekly

As the generator of the material (waste) described above, I certify that I have provided all relevant information as required by this profile and that the information provided is, to the best of my knowledge and belief, Irue, accurate and complete. Generator agrees not to deliver or arrange for delivery of any material that does not conform to the waste characterization contained in this profile. I further certify that this material is not a RCRA hazardous waste pursuant to federal, state or local laws and has not been mixed with any chlorinated solvents or any other contaminants including, without limitation, PCBs, pesticides, or other hazardous wastes. If Liquid Environmental Solutions (LES) accepts the material for processing and the material is later determined by LES or any other person to be or contain hazardous waste within the meaning of any federal, state or local law, or contain PCBs in sufficient quantity to render it a TSCA-regulated material, the generator agrees to pay all costs incurred by LES to properly freat, store, dispose or otherwise handle the material and any fines and penalties resulting from LES's handling of generator's malerial. Generator agrees to promptly notify LES of any change in the composition of the material or process generating the material, and agrees to provide LES with a new Uniform Waste Profile prior to delivering any material to LES that does not conform to the waste characterization contained in this profile. The interesting the material and properties an authorized processoring the presentative of the generator.

Quarterly

O Monthly

Profile. The undersigned is an authorized representative of the generator.

Antenio Curials.

Generator Authorization Signature

Shipment Frequency: Anticipated Volume: Annually



# UNIFORM WASTE PROFILE 866-694-7327 www.liquidopviro.com

Internal Use Only:
Profile #: 213912
Account #:
Approved Non-Approved
Subcategory A B C
Waste Code

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Name: NAMMO DEFENSE SYST Address: 4111 N HIGLEY ROAD City: MESA Contact: Antonio Curiale Phone: (480)898-2261 Email: acuriale@nammo.us	State: AZ Title: Main Conta Fax:		y		City:	ACTENVIRO 6212 S 75th Ave #4 Laveen Cindy Duncan (602)509-9591 cduncan@actenviro					
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(TOX)? * If no, rebuttal per 40 CFR 279.  7. Is this Used Oil soluble in water)			O	<ul><li>•</li><li>•</li></ul>	0						
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Method of Shipment: Shipment Frequency: Anticipated Volume:	Bulk Liquid One Time	O Bulk Sludge O Weekly	O Bulk Solid O Monthly	<b>O</b>	O Drum/Bo Quarterly	~	Other:		×		

GENERATOR CERTIFICATION AND GUARANTEE - PLEASE READ AND SIGN BELOW

As the generator of the material (waste) described above, I certify that I have provided all relevant information as required by this profile and that the information provided is, to the best of my knowledge and belief, Irue, accurate and complete. Generator agrees not to deliver or arrange for delivery of any material that does not conform to the waste characterization contained in this profile. If further certify that this material is not a RCRA hazardous waste pursuant to federal, state or local laws and has not been mixed with any chlorinated solvents or any other contaminants including, without limitation, PCBs, pesticides, or other hazardous wastes. If Liquid Environmental Solutions (LES) accepts the material for processing and the material is later determined by LES or any other person to be or contain hazardous waste within the meaning of any federal, state or local law, or contain PCBs in sufficient quantity to render it a TSCA-regulated material, the generator and the material is talled between the distribution of the material and any fines and penalties resulting from LES's handling of generator's material. Generator agrees to promptly notify LES of any change in the composition of the material or process generating the material, and agrees to promptly notify LES of any change in the composition of the material or process generating the material, and agrees to provide LES with a new Uniform Waste Profile prior to delivering any material to LES that does not conform to the waste characterization contained in this profile. The undersigned is an authorized representative of the generator.

Antonio Curiale

Date 7/11/2024 Print Name and Title Antonio Curiale Environmental Supervisor



# UNIFORM WASTE PROFILE

Internal Use Only:
Profile #: 213913 Account #:
Approved Non-Approved
Subcategory A B C Waste Code

ENVIRONMEN	TAI	800-694-7327				Approved Non-Approved					ovod C	`	
SOLUTION	S		www.liqui	den	virc	com.			ubcategory A	Пв	Ϋ́	° I	ノ
Clean. Reliable. Inne	ovative.								aste Code		_		
PROFILE INFORMATION		4位别指15位至		7.55				<b>建筑</b> 加加。	<b>作器是最高级的</b>		<b>新</b> 書	No miles	M
US EPA ID#: AZD020132502		ate ID#:	NAICS # 3329	993	TCEC	D#(TX-Only	):	<ul> <li>Analytic</li> </ul>	al Attached	MS	DS At	tached	
GENERATOR INFORMATI	ON	由行动的原理				BILLI	NG INFORMAT	TION	2015年6月1			NAME OF THE	23
Name: NAMMO DEFENSE SYST Address: 4111 N HIGLEY ROAD	TEMS INC					Name:	ACTENVIRO			THE REAL PROPERTY.		A 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1.00
City: MESA	State: AZ	Zip: 85215					s: 6212 S 75th Ave						
Contact: Antonio Curiale	Title: Main Cor	•				City: Contact	Laveen : Cindy Duncan	State: A		9			
Phone: (480)898-2261	Fax:					Phone:	(602)509-9591	Fax:	roject Manager				
Email: acuriale@nammo.us						Email:		viro.com and scokely	@actenviro.com				
WASTE QUESTIONNAIRE	(CHECK ALL	THAT APPLY)	13 SEC. 12.			H.Vets 1		Property and the second	多连接系统制		Day	No. West N	18
Non-hazardous Waste	( II DE									O PROPERTY.		Contract of the last	3.55
<ol> <li>Is this material a hazardous waste (F, I If yes to the above, identify the listing.</li> </ol>	(, U, or P listed) as def	ined by 40 CFR 261 Subp	art D?	Yes	No	Unknown				Yes	No	Unknown	
2. Has this material been mixed with a haz	zardous waste as delin	ed by 40 CFR 261?		0	<ul><li>●</li></ul>	0	Is this a virgin or o	off-spec product? (If Ye	s, must include MSDS)	T			
<ol><li>Does this material exhibit</li></ol>	Ignitability? (40 CFR i	Part 261.21)	***************************************	_			1. Unused P	Product or Chemical	·		_		
any of the following hazardous waste characteristics?	Corrosivity? (40 CFR Reactivity? (40 CFR)	Part 261.21)		Ö	<b>©</b>	8				0	•	0	
	Toxicity? (40 CFR Pa	A POT A PO A S		0000	0000	000	2. Waste by-	-product from process	***************************************	··· O	⊚	0	
4. Does this material contain?	Herbicides, pesticides Dioxins?						<ol><li>Spill Clear</li></ol>	n Up		· 0	•	0	
	Radioactive substance			00000	00000	00000	4. Planned S	Site Remediation			•	0	
	Domestic Wastes? Biohazardous materia			Ŏ.	ĕ	ŏ	5 Represent	tative Sample Provided			_		
5 is the waste derived from an underground				0	0	0		adaro compie i rovidec		··· O	⊚	0	
<ol><li>If waste is derived from fuel, is the fu</li></ol>		***************************************		Õ	•	Ö							
Used Oil (as defined by CFR 2	279.1)					•	Petroleum Contac	t Water (PCW)/Leaking				_	
1 Is this material Used Oil as defined by 40		***************************************		0		0			4,500 Hz Hz		•	0	
<ol> <li>Has this Used Oil been mixed with hazar</li> <li>Is the source of the waste a Conditionally</li> </ol>		o. Canarata A		8	<b>⊚</b>	8		age Tank (LUST) Wate		O	•	0	
<ol><li>Does this Used Oil contain chlorinated pa</li></ol>	araffins? If yes, altach I	WSDS	*********	0	<ul><li>●</li></ul>		Quantity Generato	Conditionally Exempt 8 or (CESQG)?	smail.;C		•	0	
<ol><li>Does this Used Oil contain TSCA (40 CF) If yes, list PCB level:</li></ol>	R 761) regulated levels	of PCB?	***************************************	ŏ	Õ	0	Does this wast	e contain oils, lubri			•	O	
6. Does this Used Oil contain less (<) than	or equal to 1,000 mg/L	Total Organic Halogens					coolants or pet	roleum products	*******************	···· 🔲	•		
(TOX)? * If no, rebuttal per 40 CFR 279.1	0(b)(1)(ii) must be incl	uded	***************************************	0	•	0							
		- 50 - 57 min 2 min	11	0	•	0			: <b>e</b> :				
WASTE STREAM COMPOS		. MUST EQUAL	100%)	000		S. Minute	WAST	TE DESCRIPTION	ON	超越		NA BAN	荔
MajorComponentsConcentration	Range	<b>的对象</b>		y sale		in 582777	Commo	on Name of Waste:	TU-20 Well water	-		-	٦
(Water, Oil, Solid, etc.)		Average Minu	mum Maxii	mum									
Well Water		100 100					Detail	01	nsite remediation proc	ess			
			5				Process	Generating Waste:					
						8	necessa	ldilional sheet if ary)					
Physical State	<b>设计划区外</b> 间	Layers	ph		Estado	( CANADA	Flash Point	Not be very minute	Speci	fic Gravi	1.	interest	200
100% Solid Without Free Liquid		Single Phase	04			8-12.5	O 673 E	O 141	1	To.	ιy	The st	8
100% Liquid With No Solids		Bi-Layered					73 400 5	_	200 F Range:	10:	STEEL STATE OF	ENGLAS IN IN	
C Liquid/Solid Mixture		Multi Layered	Q 2-6		_	1	73-100 F	>200		with the same of	9957		
			O 64	Salarad	(	) N/A	O 101-140 F	● N/A		Colorless			
100 % Free Liquid		Odor	Charles and Charles	52,554		STUSE	Viscosity	t Shirt est	TX-Only Classific	ation	220		
0 % Settled Solids		None	Mild		$\circ$	Strong	Low	ł	Class I				1
0 % Total Suspended Soi	ids	Describe:				- 1	O High		Class II				
<b>FX-ONLY:</b> PLEASE INDICAT	E WHETHER	ANY OF THE FO	LLOWING AR	EDD	FCF	NT CONTRACTOR	Medium .		Other:	N. C.			
				EPK	ESE		(1) (1) (1) (1) (1) (1) (1) (1)				(A)		
Ŏ		romium, Lead, Mercury, : Cresol (total) 2-4 Dinitrote			(	) TCLP Herbion Pesticides		ne, 2-4 Endrin, Heptaci clor, Toxaphene, and 2-	nlor, Heptachlor epoxide 4-5 TP/Silvey\	Lindane,			1
Hexachlor	obenzene, Hexacchic	probutadiene. Hexachlore	thane Nitrobenzene	),	(	TCLP Volatil			Chlorobenzene, Chloro	Corre Made	ili Ethyd		-
Inchiorop	henol)	2-4-5 Trichlorophenol, ar	iu ∠-4-6			,	Retone, 1	1-4 Dichiprobenzene, 1-	2 Dichloroethane, 1-1 D	ichloroethy	lene,		
TCEQ Appendix 1 (TAC 31, 5	Section 335-Subchap	ler R) or Total Petroleum	Table 1, Constituents	s		) RCI			sylene, and Vinyl Chloric liide, Corrosivity, Ignitab				
Hydrocard	ions)								,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
RANSPORTATION INFORM			WEST STATE OF				問題建設	是於學術學學					
~	ulk Liquid	Bulk Sludge	O Bulk Sol	,		O Drum/Box	Q o	Other:					T
Anticipated Volume:	ne Time	Weekly	O Monthly	(	Qua	rterly O	Annually O	Other:				7	1

ENERATOR CERTIFICATION AND GUARANTEE - PLEASE READ AND SIGN BELOW

As the generator of the material (waste) described above, I certify that I have provided all relevant information as required by this profile and that the information provided is, to the best of my knowledge and belief, true, accurate and complete. As the generator of the material (waste) described above, I certify that I have provided all relevant information as required by this profile and that the information provided is, to the best of my knowledge and belief, true, accurate and complete. Generator agrees not to deliver or arrange for delivery of any material that does not conform to the waste characterization contained in this profile. I further certify that this material is not a RCRA hazardous waste pursuant to federal, state or local laws and has not been mixed with any chlorinated solvents or any other contaminants including, without limitation, PCBs, pesticides, or other hazardous wastes. Il Liquid Environmental Solutions (LES) accepts the material for processing and the material is later determined by LES or any other person to be or contain hazardous waste within the meaning of any federal, state or local law, or contain PCBs in sufficient quantity to render it a TSCA guited for material, the generator in the composition of the material or process generating the material, and agrees to provide LES with a new Uniform Waste Profile prior to delivering any material to LES that does not conform to the waste characterization contained in this profile. The undersigned is an authorized representative of the generator.

Antonio Curiale
Senerator Authorization Signature



# UNIFORM WASTE PROFILE 866-694-7327 www.liquidenviro.com

Internal Use Only:
Profile #: 213910
Account #:
Approved Non-Approved
Subcategory A B C
Waste Code

Clean. Reliable, Innovative.								
PROFILE INFORMATION	ive traces are training	<b>建加州</b> 加州省		1961克斯克斯克斯克斯克斯克斯克斯克斯克斯克斯克斯克斯克斯克斯克斯克斯克斯克斯克斯		计自由编辑处理	NO PARAMETER	
US EPA ID#: AZD020132502	State ID#:	NAICS # 332993	TCEQ ID#(TX-	Only):	Analytical Attached	MSD\$ At	tached	
GENERATOR INFORMATIO	THE RESIDENCE OF THE PARTY OF T	100 N	manufacture and the second	LLING INFORMATION	<b>温热/</b> /温热/温度	5. 3. 3. 3. 6. 15. 15. 15. 15. 15. 15. 15. 15. 15. 15	经制度制度的	
Name: NAMMO DEFENSE SYSTE				me: ACTENVIRO		MINATE MAN		
Address: 4111 N HIGLEY ROAD				dress: 6212 S 75th Ave #4				
City: MESA	State: AZ Zip: 85215	10	Çi	y: Laveen	State: AZ Zip:	85339		
Contact: Antonio Curiale	Title: Main Contact			ntact: Cindy Duncan	Title: Project Manager			
Phone: (480)898-2261 Email: acuriale@nammo.us	Fax:			one: (602)509-9591 aail: cduncan@actenviro.com	Fax: and scokely@actenviro.com			
WASTE QUESTIONNAIRE (	CHECK ALL THAT ADDIVE	A ORDER DESIGNATION OF THE PARTY OF THE PART	COLUMN DUE :	ANTERNAL MARKET CONTROL OF THE STATE OF THE	TERRITORIA DE LA COMPONIO DEL COMPONIO DE LA COMPONIO DEL COMPONIO DE LA COMPONIO DEL COMPONIO DE LA COMPONIO DEL COMPONIO DE LA COMPONIO DEL COMPONIO DE LA COMPONIO DE LA COMPONIO DEL COMPONIO DE LA COMPONIO DE LA COMPONIO DE LA COMPONIO DEL COMPONIO DEL COMPONIO DE LA COMPONIO DEL COMPONIONIO DEL COMPONIO DEL COMPONIO DEL COMPONIO DEL COMPONIO DEL COMP	and the state of t	DIII - SANCAR	
Non-hazardous Waste	OFFICE THAT ALT ELF					MILESCH MICHESON IN	A STATE OF THE PARTY OF THE PAR	
Is this material a hazardous waste (F, K,	U, or P listed) as defined by 40 CFR 261 Su	bpart D? Yes	No Unknown			Yes No	Unknown	
If yes to the above, identify the listing		0	<ul><li>O</li></ul>	Is this a virgin or off-spec p	product? (If Yes, must include M	SDS)		
<ol><li>Has this material been mixed with a haza</li></ol>	rdous waste as defined by 40 CFR 261?	0	<ul><li>O</li></ul>	4. Hausani Bandural o	Chamical			
	a constant		0000	Unused Product or	i Chemical	0 0	0	
wastecharacteristics?	Reactivity? (40 CFR Part 261.21)	8		2. Waste by-product	from process	· O •	0	
				3. Spill Clean Up	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	· · · · · · · · ·	0	
	Dioxins?	8	00000	4, Planned Site Rem	ediation	0 0	0	
1	Domestic Wastes?	8	8 8					
5 Is the waste derived from an underground				5, Representative Sa	ample Provided.	· · · · · · · · · · · · · · · · · · ·	0	
6. If waste is derived from fuel, is the fue	estioni	·····	<ul><li>O</li><li>O</li></ul>					
		O	<ul><li>O</li></ul>	B 4 1 0 4 4 1141-1-1-1	(DOMAN 15		_	
Used Oil (as defined by CFR 2)	,	_	_	Petroleum Contact Water (	(PCW)/Leaking		0	
<ol> <li>Is this material Used Oil as defined by 40</li> <li>Has this Used Oil been mixed with hazard</li> </ol>			0 0	Underground Storage Tank		······ O	0	
3, Is the source of the waste a Conditionally		8	8 8	Is the generator a Condition Quantily Generator (CESC		······································	0	
<ol> <li>Does this Used Oil contain chlorinated par</li> <li>Does this Used Oil contain TSCA (40 CFR</li> </ol>		······	<ul><li>O</li><li>O</li></ul>	Does this waste conta	-,		O	
If yes, list PCB level:			9 0	coolants or petroleum				
<ol> <li>Does this Used Oil contain less (&lt;) than o (TOX)? * If no, rebuttal per 49 CFR 279.10</li> </ol>		ns O	<ul><li>O</li></ul>					
7. Is this Used Oil soluble in water?		0	<ul><li>O</li></ul>					
WASTE STREAM COMPOS	ITION (TOTAL MUST EQUA	AL 100%)		WASTE DE	SCRIPTION			
A STATE OF THE STA	THE RESIDENCE OF A SHEET OF A SHE	Makes Roll (MIR)		Common Name	TTU Well water	Committee of the last of the l		
MajorComponentsConcentrationRange  Common Name of Waste:  (Water, Oil, Solid, etc.)  Average Minumum Maximum								
Well Water 100 100 Detail onsite remediation process								
Well Water				Process Generating Waste:				
				(Add additional necessary)	sheet if		1	
Charles Charles and Charles College	responsive to the constraint	Second Control of the Control	Total House Street	Flock Doint	tt usbûbi en zapelisadên al	Specific Gravity	Hard State of the	
Physical State	Layers	ph		Flash Point			A THE REAL PROPERTY.	
100% Solid Without Free Liquid	Single Phas	0	8-12.5	l ŏ	<u> </u>	at the second second second	STORES TENEDON	
100% Liquid With No Solids	Bi-Layered	. 0 2-6	>12.5	73-100 F		Color		
Liquid/Solid Mixture	O Multi Layere	q O 6-8	● N/A	O 101-140 F		Describe Colorless		
100 % Free Liquid	Odor			Viscosity	TX-Only CI	assification	Rest Ball State	
0 % Settled Solids	None	Mild	Strong	Low	O Class I			
	Describe:			High	Class II			
0 % Total Suspended Sol				Medium	Other:	I con our term having		
TX-ONLY: PLEASE INDICAT	E WHETHER ANY OF THE	FOLLOWING ARE	PRESENT:		深层层 经保险证			
1 ×	Barium, Cadmium, Chromium, Lead, Mer	•			Endrin, Heptachlor, Heptachlor exaphene, and 2-4-5 TP/Silvex)	epoxide, Lindane,		
	. m-Cresol, p-Cresol, Cresol (total) 2-4 Di robenzene, Hexacchlorobutadiene, Hexa					e. Chloroform. Melinyl E	thyl	
Pentacho	Hexachlorobenzene, Hexachlorobuladiene, Hexachlorethane, Nitrobenzene, Pentachchloropherol, Pyridine, 2-4-5 Trichlorophenol, and 2-4-6 Trichlorophenol Trichloroethylene, Terachloroethylene, and Vinyl Chloride) Trichloroethylene, Terachloroethylene, and Vinyl Chloride)							
	Section 335-Subchapter R) or Total Petro	leum Table 1 Constituents	○ RCI	-	ne, Tetrachloroethylene, and Vingide, Reactive Sulfide, Corrosivity			
Hydrocart		TODAY TO THE TANK THE TOTAL TO		,				
TRANSPORTATION INFORM	MATION	4/2017年1						
Method of Shipment:	Bulk Liquid O Bulk Sludge	O Bulk Solid	. 0 0	rum/Box Other:				
Shipment Frequency:	One Time Weekly	Monthly	Quarterly	Annually Other:	-			
Anticipated Volume:					//			
GENERATOR CERTIFICATION	ON AND GUARANTEE - PL	EASE READ AND S	IGN BELOW	<b>科20</b> 33世紀日本語以至初50	10000000000000000000000000000000000000	INCOME DE LA COMPANSION	THE STATE OF	

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Antonio Curiale.

Generator Authorization Signature