

# ENVIRONMENTAL ASPECT AND IMPACTS

  <b>ACTIVITY PROCESS</b>				RELATED OBJECTIVE & TARGET	PROCESS OWNER	AFFECTED AREAS	Potential Environmental Impacts										Prioritization Scoring (1)					Significance
Air Pollution Emissions	Human Exposure	Land Disturbance	Natural Resource Consumption				Waste	Water Discharge	Noise	Recycling	Energy Conservation	Frequency/Likelihood (F) (1-5)	Env. Impact Severity (E) (1-5)	Mission Impact Severity (M) (0-5)	Regulatory Impact (R) (0-5)	Community Concerns (C) (0-4)	Significance Score (SS) SS=F*(E+M)+R+C					
1	Aggregate Operations		ARMS Tenant	ARMS Tenant	X	X	X	X	X	X	X	X			4	2	2	3	0	19	NS	
2	Ammunition Surveillance	Waste Prevention & Recycling Programs	Munitions & Logistics Services	Munitions & Logistics Services	X	X		X	X	X		X			5	1	5	1	0	31	NS	
3	Battery Retort Facility (BRF)	Waste Prevention & Recycling Programs	NUWC	NUWC	X	X		X	X	X	X	X	X		2	3	0	3	0	9	NS	
4	Blocking & Bracing		Munitions & Logistics Services	Munitions & Logistics Services	X	X		X	X	X	X	X			5	2	5	1	0	36	NS	
5	Building & Facilities Maintenance & Management Activities	Reduce Toxic & Hazardous Chemicals	Base Operations Directorate	<b>ALL AREAS:</b> BOD, BMO, M&L, SAF, Tenant Activity, ACO, TROOPS	X	X	X	X	X	X	X	X	X		5	3	4	3	0	38	NS	
6	Bulk Hazardous Substances / Materials - Storage, Transfer & Use	Reduce Toxic & Hazardous Chemicals	Business Management Office	<b>ALL AREAS:</b> BOD, BMO, M&L, SAF, Tenant Activity, ACO, TROOPS	X	X	X	X	X	X	X	X			5	4	3	3	0	38	NS	
7	Chemical Usage & Inventory	Reduce Toxic & Hazardous Chemicals	<b>ALL AREAS:</b> BOD, BMO, M&L, SAF, Tenant Activity, ACO, TROOPS	<b>ALL AREAS:</b> BOD, BMO, M&L, SAF, Tenant Activity, ACO, TROOPS	X	X	X	X	X	X	X	X			5	4	3	3	1	39	NS	
8	Contractors, Subcontractors, Vendors, Visitors, Training Units, etc.		<b>ALL AREAS:</b> BOD, BMO, M&L, SAF, Tenant Activity, ACO, TROOPS	<b>ALL AREAS:</b> BOD, BMO, M&L, SAF, Tenant Activity, ACO, TROOPS	X	X	X	X	X	X	X	X	X		4	3	2	3	0	23	NS	
9	Disassembly & Sawing Operations		Munitions & Logistics Services	Munitions & Logistics Services	X	X	X	X	X	X	X	X			4	3	4	1	0	29	NS	
10	Engineering Services		Base Operations Directorate	Base Operations Directorate	X	X	X	X	X	X	X	X	X		5	1	3	3	0	23	NS	
11	Erosion Control Activities		Base Operations Directorate	Base Operations Directorate	X	X	X	X	X	X	X	X			3	1	0	1	0	4	NS	
12	Fire & Emergency Response Activities		Base Operations Directorate	<b>ALL AREAS:</b> BOD, BMO, M&L, SAF, Tenant Activity, ACO, TROOPS	X	X		X	X			X			5	2	5	3	0	38	NS	
13	Flash Furnace & Hot Gas	Waste Prevention & Recycling Programs	Munitions & Logistics Services	Munitions & Logistics Services	X	X		X	X			X			4	2	3	3	0	23	NS	
14	Grounds Maintenance & Management	Reduce Water Consumption Intensity	Base Operations Directorate	Base Operations Directorate	X	X	X	X	X	X	X	X	X		5	2	0	3	0	13	NS	

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RELATED OBJECTIVE & TARGET	PROCESS OWNER	AFFECTED AREAS		Air Pollution Emissions	Human Exposure	Land Disturbance	Natural Resource Consumption	Waste	Water Discharge	Noise	Recycling	Energy Conservation	Frequency/Likelihood (F) (1-5)	Env. Impact Severity (E) (1-5)	Mission Impact Severity (M) (0-5)	Regulatory Impact (R) (0-5)	Community Concerns (C) (0-4)	Significance Score (SS) SS=F*(E+M)+R+C	
15	<b>Hazardous Waste Operations:</b> Pick up, sample, process, ship Hazardous waste, Maintain required permits and documentation, Conduct required audits and inspections. **Does Not Include Hazardous Waste Treatment**	Environmental Services	ALL AREAS: BOP, BMO, M&L, SAF, Tenant Activity, ACO, TROOPS	x	x	x	x	x			x		5	5	4	4	0	49	SIG
16	<b>Installation Restoration</b>	ACO Government	ACO Government	x	x	x	x	x	x	x	x		5	4	0	3	0	23	NS
17	<b>Laboratory Services</b> include but are not limited to the Chemical Lab and Calibration Lab Analyses	Base Operations Directorate	Base Operations Directorate, Munitions & Logistics Services	x	x	x	x	x	x		x		5	2	4	3	0	33	NS
18	<b>Landfills</b>	Base Operations Directorate	Base Operations Directorate	x	x	x	x	x	x	x	x		5	2	2	4	0	24	NS
19	<b>Mercury Storage and Transfer</b>	DLA Strategic Materials	Base Operations Directorate	x	x	x		x			x	x	5	2	3	3	1	29	NS
20	<b>Metal Working &amp; Welding</b>	Base Operations Directorate	Base Operations Directorate	x	x	x	x	x	x	x	x		5	1	3	0	0	20	NS
21	<b>Mobile Reconnaissance Training</b>	ACO Government	ACO Government	x	x	x	x	x	x	x	x		3	3	5	1	1	26	NS
22	<b>Occupational Health Clinic</b>	Safety Office	BOD, BMO, M&L, SAF		x		x	x			x	x	5	1	1	3	0	13	NS
23	<b>Office &amp; Administrative Activities</b>	ALL AREAS: BOP, BMO, M&L, SAF, Tenant Activity, ACO, TROOPS	ALL AREAS: BOP, BMO, M&L, SAF, Tenant Activity, ACO, TROOPS	x	x	x	x	x	x		x	x	5	1	5	3	0	33	NS
24	<b>Open Burn of propellant</b>	Munitions & Logistics Services	Munitions & Logistics Services	x	x	x	a	x	x		x		3	5	4	4	1	32	NS
25	<b>Open Detonation &amp; Demilitarization</b> of conventional ammunition and explosives / energetics and occasional treatment of reactive wastes. Some donor material derived from 117-7 with analysis of sludge being over 12% reactive.	Munitions & Logistics Services	Munitions & Logistics Services	x	x	x	x	x	x	x	x		5	5	4	4	2	51	SIG
26	<b>Paint Booth</b>	Base Operations Directorate, NUWC	Base Operations Directorate, NUWC	x	x		x	x	x		x		3	2	1	3	0	12	NS
27	<b>PODS - Plasma Ordnance Demilitarization System:</b>	Munitions & Logistics Services	Munitions & Logistics Services	x	x			x	x	x	x		1	1	0	3	0	4	NS
28	<b>Press out Explosives</b>	Waste Prevention & Recycling Programs	Munitions & Logistics Services	x	x	x	x	x	x	x	x		3	2	4	3	0	21	NS
29	<b>Property Reutilization Disposal (PRO)</b>	Waste Prevention & Recycling Programs	Munitions & Logistics Services	x	x	x	x	x		x	x		5	3	0	3	0	18	NS
30	<b>Railroad Infrastructure Maintenance &amp; Operations</b>	Base Operations Directorate	Base Operations Directorate	x	x	x	x	x	x	x	x		5	1	4	3	0	28	NS
31	<b>Range Scrap</b>	Waste Prevention & Recycling Programs	Munitions & Logistics Services	x	x	x	x	x	x	x	x		2	5	0	3	0	13	NS
32	<b>Range Area (Research, Development, Testing, &amp; Evaluation)</b>	Marine Corps Programs Office	Marine Corps Programs Office	x	x	x	x	x	x	x	x		5	4	3	3	0	38	NS

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Air Pollution Emissions	Human Exposure	Land Disturbance	Natural Resource Consumption				Waste	Water Discharge	Noise	Recycling	Energy Conservation	Frequency/Likelihood (F) (1-5)	Env. Impact Severity (E) (1-5)	Mission Impact Severity (M) (0-5)	Regulatory Impact (R) (0-5)	Community Concerns (C) (0-4)	Significance Score (SS) SS=F*(E+M)+R+C					
33	Receipt, Shipment, Storage, Segregation, &/or Issue Munitions including Safety and Accountability		Munitions & Logistics Services	Munitions & Logistics Services	x	x	x	x	x	x	x	x			5	2	5	1	0	36	NS	
34	Renovation of Munitions	Waste Prevention & Recycling Programs	Munitions & Logistics Services	Munitions & Logistics Services	x	x		x	x	x	x	x			2	2	1	1	0	7	NS	
35	Reservoir & Dam Infrastructure Maintenance		Base Operations Directorate	Base Operations Directorate	x	x	x	x	x	x		x			3	3	4	3	0	24	NS	
36	RF-9 Incinerate Ammunition		Munitions & Logistics Services	Munitions & Logistics Services	x	x		x	x		x	x			4	4	4	4	0	36	NS	
37	Roads - Travel & Maintenance		<b>ALL AREAS:</b> BOP, BMO, M&L, SAF, Tenant Activity, ACO, TROOPS	<b>ALL AREAS:</b> BOP, BMO, M&L, SAF, Tenant Activity, ACO, TROOPS	x	x	x	x	x	x	x	x			5	2	4	3	0	33	NS	
38	Security Activities		<b>ALL AREAS:</b> BOP, BMO, M&L, SAF, Tenant Activity, ACO, TROOPS	<b>ALL AREAS:</b> BOP, BMO, M&L, SAF, Tenant Activity, ACO, TROOPS	x	x	x	x	x	x	x	x			5	1	5	1	0	31	NS	
39	Steam Out / Melt Out / DIHMES / Wash Out	Waste Prevention & Recycling Programs	Munitions & Logistics Services	Munitions & Logistics Services	x	x	x	x	x	x		x			4	3	5	3	0	35	NS	
40	Utility Infrastructure Operation & Maintenance	Reduce Water Consumption Intensity	Base Operations Directorate	<b>ALL AREAS:</b> BOP, BMO, M&L, SAF, Tenant Activity, ACO, TROOPS	x	x	x	x	x	x		x	x		5	2	5	4	0	39	NS	
41	Vehicle & Equipment Operation and Maintenance	Reduce Vehicle Petroleum Consumption	Base Operations Directorate	<b>ALL AREAS:</b> BOP, BMO, M&L, SAF, Tenant Activity, ACO, TROOPS	x	x	x	x	x	x	x	x	x		5	3	4	3	0	38	NS	
42	Weapon Cleaning and Qualification		Base Operations Directorate	Base Operations Directorate, ACO, TROOPS	x	x	x	x	x	x		x			3	3	2	1	0	16	NS	
43	Wood Working		Base Operations Directorate	Base Operations Directorate	x	x	x	x	x	x		x			5	2	1	1	0	16	NS	
<p>(1) Aspect evaluation and scoring criteria is established in TABLE 3-CRITERIA FOR THE EVALUATION OF ENVIRONMENTAL ASPECTS &amp; IMPACTS</p> <p>(2) Significance Scoring -- (SS)      <math>SS = F * (E+M) + R + C</math></p>																						

  <p style="text-align: center;"><b>ACTIVITY PROCESS</b></p>	<p style="text-align: center;"><b>RELATED OBJECTIVE &amp; TARGET</b></p>	<p style="text-align: center;"><b>PROCESS OWNER</b></p>	<p style="text-align: center;"><b>AFFECTED AREAS</b></p>	<p style="text-align: center;"><b>Potential Environmental Impacts</b></p>										<p style="text-align: center;"><b>Prioritization Scoring (1)</b></p>				
				Air Pollution Emissions	Human Exposure	Land Disturbance	Natural Resource Consumption	Waste	Water Discharge	Noise	Recycling	Energy Conservation	Frequency/Likelihood (F) (1-5)	Env. Impact Severity (E) (1-5)	Mission Impact Severity (M) (0-5)	Regulatory Impact (R) (0-5)	Community Concerns (C) (0-4)	Significance Score (SS) SS=F*(E+M)+R+C

DOCUMENT CHANGE HISTORY		REVIEW PARTICIPANTS	DATE OF LATEST REV.
NATURE OF REVISION			
19	Reviewed at July 2015 EMC with no chages, EMS revised	EMC Team	7/8/2015
18	equation in Table 3, Changed Aggregate Operations F= 2 to 4, Chemical use and inventory R=5 to 3 and C=0 to 1, Contractors M=1 to 2,Engineering R=5 to 3, Fire =1	EMC Team	3/23/2015
17	Revised to include a column for process owners & Area of Responsibility	External Audit - AWM OFI	8/1/2014
16	Reviewed see notes (EMC)	EMC Team	7/29/2014
15	For RF-9 increased Mission severity to 4 and Regulatory Impact to 5 Approved by CFT	Kristi Lammel-Schilling; Yvonne Downs;	6/19/2014
14	Reviewed with no changes	Kristi Lammel-Schilling; Yvonne Downs;	5/1/2013
13	Changed Potential Impacts categories to match the outputs categories on the Aspect Flowchart	Kristi Lammel-Schilling	7/24/2012
12	Removed separate criteria for Executive Orders and Rescored Regulatory Impact scoring to reflect EO required activities =5, Changed Regulatory Impact scoring for RF-9 form 3 to 4, Changed Regulatory Impact scoring for RDT&E for 1 to 3, Changed Mobile Reconnaissance Training Frequency from 5 to 3.	Kristi Lammel-Schilling; Yvonne Downs;	7/16/2012
11	Added Office and Administrative Activities, Woodworking, and Weapon Cleaning and Qualifications.	Kristi Lammel-Schilling	5/17/2012
10	Changed Significance value from >40 to >39 to accurately reflect procedure requirements	Yvonne Downs Tad Williams	10/25/2011
9	Added Hazardous Waste Operations	Yvonne Downs Tad Williams Tom Erickson	8/9/2011