

MEMORANDUM FOR RECORD

DATE: 15 May 2020

SUBJECT: Summary - Annual Comprehensive Site Compliance Evaluation (CSCE)
Joint Base Langley-Eustis
1407 Washington Boulevard
Fort Eustis, VA 23604

1. In accordance with the Virginia Pollutant Discharge Elimination System (VPDES) Permit No. VA0025216 issued by the Virginia Department of Environmental Quality, 733rd Civil Engineering Division/Civil Engineering Installation Environmental (CED/CEIE) completed the required annual CSCE.

a. The scope of the CSCE included an evaluation of the management of the current Storm Water Pollution Prevention Plan (SWPPP) for 143 facilities on the installation to ensure compliance with Industrial Storm Water Individual Permit No. VA0025216, and to identify areas of improvement or evidence of pollutants entering the storm water system. Full scope details are outlined in the CSCE Section 2 (pg. 2-1).

b. The evaluation was conducted by Scott Moler (Bhate Environmental Associates, Inc.), Jonathon Colmer (733d CED/CEIE), Joanna Bateman (733d CED/CEIE), and Micah Miller (733d CED/CEIE) between 1 November 2019 and 31 December 2019.

c. Observations relating to the implementation of the SWPPP are detailed in Section 3 of the CSCE (pg. 3-1). Of the 143 facilities evaluated, eight incidents of pollutants entering the storm drainage system were identified, mostly consisting of plant debris/leaves and no material discrepancies. No areas for BMP improvement were noted and 46 industrial findings were documented. Full details are outlined in Table 3-1 and Table 3-2 of the CSCE. No failed control measures were found during this evaluation.

d. As a result of this CSCE, minor issues were identified and addressed to ensure continued compliance with the SWPPP and VPDES Individual Permit No. VA0025216.

2. JBLE-Eustis VPDES Permit No. VA0025216 mandates the CSCE report be signed in accordance with Part II.K of the VPDES permit, which requires the certification statement listed below be included as part of the CSCE report.

This report must be certified by an authorized representative. According to Part II.K.1.c, an "authorized representative" for a municipality, state, federal, or other public agency is authorized by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a public agency includes: (i) the chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.

“I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.”

Signature:

Date Signed:

Attachment:

JBLE-E CSCE May 2020

2019 COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT JOINT BASE LANGLEY-EUSTIS - EUSTIS

May 2020

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GSA Call Order No: ID07190002
GSA Contract No.: GS07Q16BGA0010
GSA Order No.: 47QFWA19F0020
CDRL No.: A017B
Bhate Project No.: AFCBPA2.0002.0001

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COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT

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Appendix B JBLE-Eustis Outfall Maps
Appendix C 2019 Dry Weather Industrial Outfall Inspection Findings
Appendix D 2019 Stormwater Sampling Results
Appendix E Quarterly Stormwater Visual Monitoring Inspection Summaries
Appendix F Routine Facility Stormwater Inspection Checklists

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DISTRIBUTION

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ACRONYMS AND ABBREVIATIONS

733d CED	733d Civil Engineer Division
AATD	Applied Aviation Technology Directorate
AEM	Advanced Environmental Management
AFCEC	Air Force Civil Engineer Center
AIT	Advanced Individual Training
ALSE	Aviation Life Support Equipment
ASF	Aviation Support Facility
AST	Aboveground storage tank
ATV	All-terrain vehicles
AVN	Aviation
Bhate	Bhate Environmental Associates, Inc.
BDE	Brigade
BMP	Best Management Practice
BN	Battalion
CDRL	Contract Data Requirement List
CED	Civil Engineer Division
CEIE	Civil Engineering Installation Environmental
COR	Contracting Officer's Representative
CSCE	Comprehensive Site Compliance Evaluation
CTF	Countermeasures Test Facility
EDG	Emergency diesel generator
EMAC	Environmental Management Awareness and Competency
EMS	Emergency Medical Services
ETS	Executive Technology Solutions
FCD	Flight Concept Division
FIS	Facility Inspection Summary
GOV	Government-owned vehicle
GSA	General Services Administration
GSE	Ground Support Equipment
HazMart	Hazardous Materials Pharmacy
HEMTT	Heavy expanded mobility tactical truck
HEPACO	HEPACO, Inc.
HHC	Headquarters & Headquarters Command

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HQ	Headquarters
HVAC	Heating, ventilation, and air conditioning
ICP	Integrated Contingency Plan
JBLE-Eustis	Joint Base Langley Eustis – Fort Eustis
LRS	Logistics Readiness Squadron
LMTV	Light medium tactical vehicles
MGD	Million gallons per day
mg/L	Milligrams per liter
ODUS	Old Dominion Utility Services
OFC	Objective Force Capabilities
OSRO	Oil Spill Response Organization
OWS	Oil/water separator
POC	Point of contact
POL	Petroleum, oils, and lubricants
POV	Privately-owned vehicle
PWS	Performance Work Statement
Qtrly	Quarterly
R&D	Research & development
RGMT	Regiment
Semi	Semiannual
SI	Sand interceptor
SOP	Standard operating procedure
SPCC	Spill Prevention, Control, and Countermeasure
SWPPP	Storm Water Pollution Prevention Plan
TKN	Total Kjeldahl Nitrogen
TMDL	Total Maximum Daily Load
TPH	Total Petroleum Hydrocarbons
TRADOC	Training and Doctrine Command
TSS	Total Suspended Solids
UAV	Unmanned Aerial Vehicle
VDEQ	Virginia Department of Environmental Quality
VPDES	Virginia Pollutant Discharge Elimination System
VSO	Vessel support operation

REPORT CERTIFICATION

JBLE-Eustis VPDES Permit No. VA0025216, Section II.K, mandates the CSCE report be signed and that the certification statement below be included as part of the CSCE report.

This report must be certified by an authorized representative of JBLE-Eustis. According to Permit II.K.1.c, an “authorized representative” for a municipality, state, federal, or other public agency is authorized by either a principal executive officer or ranking elected official. For purposes of the Permit, a principal executive officer of a public agency includes:

- (i) the chief executive officer of the agency, or
- (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.

“I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.”

Signature:

Date Signed:

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1 INTRODUCTION

Bhate Environmental Associates, Inc., (Bhate) is working under General Services Administration (GSA) Contract No. GS-10F-0312K to provide environmental services to the Joint Base Langley Eustis – Fort Eustis (JBLE-Eustis) in Virginia (Call Order ID07190002). This Comprehensive Site Compliance Evaluation (CSCE) Report (Contract Data Requirement List [CDRL] A017) addresses the findings from the CSCE inspections required by Section 4.6.5 of the Performance Work Statement (PWS) dated May 20, 2019.

The CSCE was conducted during the months of November and December 2019 by the following personnel:

- Scott Moler, Hazardous Material/Stormwater Technician (Bhate)
- Jonathon Colmer, Water Program Manager, 733 Civil Engineering Division (CED)/ Civil Engineering Installation Environmental (CEIE)
- Joanna Bateman, 733d CED/CEIE
- Micah Miller, 733d CED/CEIE

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2 PERMIT REQUIREMENTS/METHODOLOGY

The Virginia Department of Environmental Quality (VDEQ) issued Virginia Pollutant Discharge Elimination System (VPDES) Permit No. VA0025216 to JBLE – Eustis on September 1, 2015. The CSCE was conducted in accordance with Part I.C.4.d of the Permit. The evaluations were performed to document the status of the Stormwater Management Program and included the following:

- Self-assessment review of compliance with permit conditions;
- Assessment of the Best Management Practices (BMPs) at 143 industrial facilities and proposing any new BMPs to reduce pollutant loadings;
- Review of reportable spills that have occurred during the last 3 years and actions taken to ensure surface waters were not impacted as a result of the spills;
- Inspection for evidence of pollutants entering the drainage system;
- Evaluation of industrial outfalls on JBLE-Eustis and potential maintenance needed to minimize pollution to receiving waters; and
- Review of the quarterly stormwater visual monitoring and sample results required by the permit.

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3 2019 CSCE FIELD FINDINGS

3.1 Industrial Areas/Shops

A total of 143 facilities at JBLE-Eustis were inspected as part of the 2019 CSCE. The findings for the industrial area inspections were documented in updated Facility Inspection Summary (FIS) forms (included as Appendix A). The following available information was reviewed for each industrial area and updated:

- Building number,
- Shop name,
- Point of contact (POC),
- Shop symbol,
- Industrial activities,
- Potential pollutants,
- Spill route-of-release,
- Drainage basin and outfall identification numbers,
- Observations of existing BMPs, and
- Recommendations for new or improved BMPs.

Each FIS includes the types and quantities of significant materials handled in the industrial area. The 2018 *Stormwater Pollution Prevention Plan (SWPPP)* and FIS were used as guides for existing and proposed BMPs during the inspections. Table 3-1 of this report details the findings from the 2019 CSCE inspections. Table 3-2 identifies the specific BMPs that warrant consideration for improvement.

3.2 Education and Training Programs

Stormwater pollution prevention training materials are continuously being developed for JBLE-Eustis. Training is integrated into the base's overall environmental training. Two levels of training required for base personnel:

- Level 1 Basic Environmental Management Awareness or Leadership Environmental Management Awareness and Competency training have been combined into one course called "Environmental Management Awareness and Competency (EMAC)".
- Level 2 Advanced Environmental Management (AEM) training, consisting of two parts.

Part 1 of AEM and EMAC training can be found on the JBLE-Eustis Environmental Website: <http://www.jble.af.mil/About-Us/JBLE-Enviromental-Information> and is required for all base personnel. Part 2 of the AEM training, required for Activity and Unit Environmental Coordinators and Hazardous Waste Coordinators, is a live course for initial training and an online course for annual refresher training. Training materials for in-person training are maintained by 733d CED personnel and updated as necessary. The courses cover environmental management procedures and focus on:

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- Impacts of stormwater runoff to nearby bodies of water;
- Proper disposal of hazardous waste;
- Proper use of herbicides, pesticides, and fertilizers;
- Proper operation and maintenance of equipment to prevent discharges;
- Proper discharge procedures;
- Applicable regulations;
- General facility operations, plans and permits;
- Known discharges or failures;
- Malfunctioning components;
- Precautionary measures.

VPDES Permit No. VA0025216 requires a training schedule be developed and proof of training be maintained on base with the *SWPPP*. Training records are maintained by the 733d CED Compliance Branch Chief.

In addition, base personnel involved in industrial activities regularly participate in additional job-specific training (e.g., oil handlers are trained in spill prevention and response as part of the base *Spill Prevention, Control, and Countermeasure [SPCC] Plan*).

3.3 Erosion and Sediment Control Areas of Concern

As part of this CSCE, the industrial areas of the base were inspected, including stormwater discharge outfalls (see maps, Appendix B), for the presence of erosion and sediment discharges.

Documentation in Appendix C provides a summary of the outfall inspections. Erosion and sedimentation issues were identified at 12 of the 42 industrial outfalls.

Several roads around the industrial areas showed signs of sediment. The sediment is tracked onto roads from construction vehicles entering from dirt roads and construction sites.

Table 3-1. 2019 CSCE Shop Findings

Bldg. No.	Building Name or Location*	Erosion and/or Sediment	Evidence of Pollutants Entering Storm Drainage System	Current BMPs Adequate and Correctly Implemented	Spill Equipment Present and Maintained	Structural BMPs
211	U.S. Army Dive Company	Yes, See Table 3-2	No	Yes	Yes	Yes
400	Boom House	None	No	Yes	Yes	Yes
405	Harbormaster shop	Yes, See Table 3-2	No	No, See Table 3-2	Yes	Yes
410	Bilge Water Pretreatment Building and Pump Station	Yes, See Table 3-2	No	Yes	Yes	Yes
411	Bilge Water Pretreatment Building and Pump Station	None	No	Yes	Yes	Yes
415	Harbormaster Shop	None	No	Yes	Yes	Yes
426	Maintenance facility	None	No	Yes	Yes	Yes
433	97 th and 73 rd Transportation Co. shops	None	No	Yes	Yes	Yes
438	Hazardous waste temporary storage	None	No	Yes	Yes	Yes
445	Welding/Machine Shop	None	No	No, See Table 3-2	Yes	Yes
448	Carpentry Shop	None	No	No, See Table 3-2	Yes	Yes
454	331st Vessel Support Operation (VSO)	None	No	No	Yes	Yes
455	Support maintenance facility	None	No	Yes	Yes	Yes
460	Diesel Engine Training Facility	None	No	No, See Table 3-2	Yes	Yes
587	McDonald Army Health Clinic Heat Plant	Yes, See Table 3-2	Yes, See Table 3-2	Yes	Yes	Yes
648	Fire Department	None	No	No, See Table 3-2	Yes	Yes
703	The Exchange automatic car wash	Yes, See Table 3-2	No	No, See Table 3-2	Yes	Yes

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Bldg. No.	Building Name or Location*	Erosion and/or Sediment	Evidence of Pollutants Entering Storm Drainage System	Current BMPs Adequate and Correctly Implemented	Spill Equipment Present and Maintained	Structural BMPs
704	The Exchange service station	None	No	No, See Table 3-2	Yes	Yes
806	10th Transportation Battalion (BN) Motor Pool	None	No	No, See Table 3-2	Yes	Yes
816	10th Transportation BN Motor Pool	None	No	Yes	Yes	Yes
821	53rd Transportation BN Motor Pool	None	No	Yes	Yes	Yes
836	53rd Transportation BN Motor Pool	None	No	No, See Table 3-2	No, See Table 3-2	Yes
845	10th Transportation BN Motor Pool	None	No	No, See Table 3-2	Yes	Yes
846	Storage facility	Yes, See Table 3-2	No	Yes	Yes	Yes
847	Storage facility	None	No	Yes	Yes	Yes
851	Government-owned vehicle (GOV) wash rack	None	No	Yes	Yes	Yes
886	11 th /53rd Transportation BN Motor Pool	None	No	No, See Table 3-2	No, See Table 3-2	Yes
887	11 th /53rd Transportation BN Motor Pool	None	No	Yes	Yes	Yes
888	11 th /53rd Transportation BN Motor Pool	None	No	No, See Table 3-2	Yes	Yes
889	11 th /53rd Transportation BN Motor Pool	None	No	Yes	Yes	Yes
1035	U.S. Reserve Center Organizational Maintenance Shop	None	No	No, See Table 3-2	No, See Table 3-2	Yes
1036	U.S. Reserve Center Organizational Maintenance Shop	None	No	No, See Table 3-2	Yes	Yes

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Bldg. No.	Building Name or Location*	Erosion and/or Sediment	Evidence of Pollutants Entering Storm Drainage System	Current BMPs Adequate and Correctly Implemented	Spill Equipment Present and Maintained	Structural BMPs
1205	Hazardous Materials Pharmacy (HazMart)	None	Yes, See Table 3-2	Yes	Yes	Yes
1206	Solid Waste Recycling Center	None	No	No, See Table 3-2	Yes	Yes
1207	Hazardous Waste Accumulation Facility	None	No	Yes	Yes	Yes
1208	Hazardous Waste Accumulation Facility	None	No	Yes	Yes	Yes
1209	Solid Waste Recycling Center	None	No	No, See Table 3-2	No, See Table 3-2	Yes
1210	Solid Waste Recycling Center	None	No	No, Refer to Table 3-2	Yes	Yes
1401	Ladder storage	None	No	Yes	Yes	Yes
1403	Salt and sand storage	None	No	Yes	No, See Table 3-2	Yes
1405	Alutiiq, Communications supply, and Training and Doctrine Command (TRADOC) warehouse	None	No	Yes	Yes	Yes
1406	Alutiiq electrician's office	None	Yes, See Table 3-2	No, See Table 3-2	Yes	Yes
1407	Main CED administrative offices	None	No	Yes	Yes	Yes
1411	Maintenance facility	None	No	No, See Table 3-2	Yes	Yes
1412	Alutiiq flammable gas canister storage	None	No	Yes	Yes	Yes
1415	Alutiiq heating, ventilation, and air conditioning (HVAC) air filter storage	None	No	Yes	Yes	Yes
1417	Paint shop/storage	None	No	Yes	Yes	Yes
1420	Blast Building	None	No	Yes	Yes	Yes
1421	Alutiiq storage shed and forklift parking	None	No	Yes	Yes	Yes

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Bldg. No.	Building Name or Location*	Erosion and/or Sediment	Evidence of Pollutants Entering Storm Drainage System	Current BMPs Adequate and Correctly Implemented	Spill Equipment Present and Maintained	Structural BMPs
1422	Alutiiq pesticide storage	None	No	Yes	Yes	Yes
1423	Alutiiq dispatch office, small appliance shop, and carpentry shop	None	Yes, See Table 3-2	No, See Table 3-2	Yes	Yes
1425	Alutiiq administrative offices	None	No	Yes	Yes	Yes
1428	Sports Field Maintenance Facility	None	No	No, See Table 3-2	Yes	Yes
1620	Railroad Training Activity	None	No	Yes	Yes	Yes
2015	CED Environmental Element maintenance area	None	No	Yes	Yes	Yes
2022	Administration office/storage	None	No	No, See Table 3-2	Yes	Yes
2025	Modular pier maintenance	None	No	Yes	Yes	Yes
2400	Ground Support Equipment	None	No	Yes	Yes	Yes
2401	Airfield Fire Department	None	No	No, See Table 3-2	Yes	Yes
2402	Applied Aviation Technology Directorate (AATD) Maintenance Hangar	None	No	Yes	Yes	Yes
2403	Pump House	None	No	Yes	Yes	Yes
2404	Water tower	None	No	Yes	Yes	Yes
2405	Apache Storage/Unmanned Aerial Vehicle (UAV)	None	No	Yes	Yes	No
2407	Flight Concept Division (FCD)/Aviation Life Support	None	No	Yes	Yes	Yes
2409	Apache Storage/UAV	None	No	Yes	Yes	Yes

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Bldg. No.	Building Name or Location*	Erosion and/or Sediment	Evidence of Pollutants Entering Storm Drainage System	Current BMPs Adequate and Correctly Implemented	Spill Equipment Present and Maintained	Structural BMPs
2410	FCD Compound/Apache training hangar	None	No	Yes	Yes	Yes
2411	FCD Compound/Apache training hangar	None	Yes, See Table 3-2	No, See Table 3-2	Yes	Yes
2412	FCD Compound/Apache training hangar	None	No	Yes	Yes	Yes
2413	Helicopter Maintenance	None	No	No, See Table 3-2	Yes	Yes
2414	Aircraft wash rack	None	No	No, See Table 3-2	Yes	Yes
2415	FCD Compound/Apache training hangar	None	No	Yes	Yes	Yes
2418	AATD training facility	None	Yes, See Table 3-2	No , See Table 3-2	Yes	Yes
2419	FCD Compound/Apache training hangar	None	No	Yes	Yes	Yes
2421	FCD Compound/Apache training hangar	None	No	Yes	Yes	Yes
2448	Aviation Support Facility	None	No	No, See Table 3-2	Yes	Yes
2449	Aviation Support Facility	None	No	Yes	Yes	Yes
2450	Aviation Support Facility	None	No	Yes	Yes	Yes
2451	Petroleum, Oil, Lubricants (POL) Yard	None	No	Yes	Yes	Yes
2504	GOV maintenance	None	No	Yes	Yes	Yes
2505	GOV maintenance	None	No	No, See Table 3-2	Yes	Yes
2506	GOV maintenance	None	No	Yes	Yes	Yes
2508	GOV maintenance	None	No	Yes	Yes	Yes

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Bldg. No.	Building Name or Location*	Erosion and/or Sediment	Evidence of Pollutants Entering Storm Drainage System	Current BMPs Adequate and Correctly Implemented	Spill Equipment Present and Maintained	Structural BMPs
2510	GOV maintenance	None	No	Yes	Yes	Yes
2702	GOV maintenance	None	No	No, See Table 3-2	Yes	Yes
2703	GOV maintenance	None	No	Yes	Yes	Yes
2704	GOV maintenance	None	Yes, See Table 3-2	No, See Table 3-2	Yes	Yes
2705	GOV maintenance	None	Yes, See Table 3-2	No, See Table 3-2	Yes	Yes
2707	Lawn mower wash rack	None	No	Yes	Yes	Yes
2734	POL Yard	None	No	No, See Table 3-2	Yes	Yes
2735	GOV car wash	None	No	Yes	Yes	Yes
2742	GOV car wash	None	No	Yes	Yes	Yes
2743	GOV maintenance	None	No	No, See Table 3-2	Yes	Yes
2744	U.S. Coast Guard Maintenance	None	No	No, See Table 3-2	Yes	Yes
2745	GOV car wash	None	No	Yes	Yes	Yes
2750	Rail Training Complex	None	No	No, See Table 3-2	Yes	Yes
3301	Supply storage	None	No	No, See Table 3-2	Yes	Yes
3302	Warehouse	None	No	Yes	Yes	Yes
3506	Golf Course Maintenance	None	No	No, See Table 3-2	Yes	Yes
3507	AADT Welding shop	None	No	Yes	Yes	Yes
3509	AADT Sheet Metal, Paint Shop	None	No	Yes	Yes	Yes
3510	Golf Course Maintenance	None	No	No, See Table 3-2	Yes	Yes
3512	Sanitary lift station	None	No	Yes	Yes	Yes
3514	Countermeasures Test Facility (CTF) Shop	None	No	Yes	Yes	Yes

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Bldg. No.	Building Name or Location*	Erosion and/or Sediment	Evidence of Pollutants Entering Storm Drainage System	Current BMPs Adequate and Correctly Implemented	Spill Equipment Present and Maintained	Structural BMPs
3515	Golf Course Maintenance	None	No	No, See Table 3-2	Yes	Yes
3517	CTF Engine Test Facility	None	No	Yes	Yes	Yes
3519	AATD Warehouse	None	No	Yes	Yes	Yes
3520	Golf cart storage	None	No	No, See table 3-2	Yes	Yes
3523	Storage warehouse	None	No	Yes	Yes	Yes
3525	Golf Course Maintenance	None	No	Yes	Yes	Yes
3528	AATD Machine Shop	None	No	No, See Table 3-2	Yes	Yes
3534	Golf Course Maintenance/tank	None	No	No, See Table 3-2	Yes	Yes
3535	Golf Course Maintenance	None	No	Yes	Yes	Yes
3537	Golf Course Maintenance	None	No	Yes	Yes	Yes
27501	Helicopter Maintenance Training Facility	None	No	Yes	Yes	Yes
27502	Helicopter Maintenance Training Facility	None	No	Yes	Yes	Yes
27503	Helicopter Maintenance Training Facility	None	No	Yes	Yes	Yes
27504	Helicopter Maintenance Training Facility	None	No	No, See Table 3-2	Yes	Yes
27505	Helicopter Maintenance Training Facility	None	No	Yes	Yes	Yes
27506	Helicopter Maintenance Training Facility	None	No	Yes	Yes	Yes

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Bldg. No.	Building Name or Location*	Erosion and/or Sediment	Evidence of Pollutants Entering Storm Drainage System	Current BMPs Adequate and Correctly Implemented	Spill Equipment Present and Maintained	Structural BMPs
27507	Helicopter Maintenance Training Facility	None	No	No, See Table 3-2	Yes	Yes
27508	Helicopter Maintenance Training Facility	None	No	Yes	Yes	Yes
27509	Helicopter Maintenance Training Facility	None	No	Yes	Yes	Yes
27510	Helicopter Maintenance Training facility	None	No	No, See Table 3-2	Yes	Yes
27511	Helicopter Maintenance Training Facility	None	No	Yes	Yes	Yes
27513	Helicopter Maintenance Training Facility	None	No	Yes	Yes	Yes
27514	Helicopter Maintenance Training Facility	None	No	Yes	Yes	Yes
27601	Helicopter Maintenance Training Facility	None	No	Yes	Yes	Yes
27602	Helicopter Maintenance Training Facility	None	No	Yes	Yes	Yes
27603	Helicopter Maintenance Training Facility	None	No	Yes	Yes	Yes
27604	Helicopter Maintenance Training Facility	None	No	Yes	Yes	Yes
27605	Helicopter Maintenance Training Facility	None	No	Yes	Yes	Yes
27606	Helicopter Maintenance Training Facility	None	No	Yes	Yes	Yes

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Bldg. No.	Building Name or Location*	Erosion and/or Sediment	Evidence of Pollutants Entering Storm Drainage System	Current BMPs Adequate and Correctly Implemented	Spill Equipment Present and Maintained	Structural BMPs
27607	Helicopter Maintenance Training Facility	None	No	Yes	Yes	Yes
27608	Helicopter Maintenance Training Facility	None	No	Yes	Yes	Yes
27609	Helicopter Maintenance Training Facility	None	No	Yes	Yes	Yes
27610	Helicopter Maintenance Training Facility	None	No	Yes	Yes	Yes
27611	Helicopter Maintenance Training Facility	None	No	Yes	Yes	Yes
27612	Helicopter Maintenance Training Facility	None	No	Yes	Yes	Yes
27613	Helicopter Maintenance Training Facility	None	No	Yes	Yes	Yes
27614	Helicopter Maintenance Training Facility	None	No	Yes	Yes	Yes
27615	Helicopter Maintenance Training Facility	None	No	Yes	Yes	Yes
27617	Helicopter Maintenance Training Facility	None	No	Yes	Yes	Yes
27618	Helicopter Maintenance Training Facility	None	No	Yes	Yes	Yes

*list obtained using FIS/JBLE-E 2018 SWPPP

3.4 Summary of BMP Findings

The existing BMPs presented in the 2018 SWPPP were evaluated as part of the industrial facility inspections. Most of the BMPs were correctly implemented at the facilities, with some exceptions:

- Roll-off dumpsters are present at several JBLE-Eustis facilities to collect construction debris, scrap metal, and wood. These dumpsters were not covered, allowing stormwater to enter and contact container contents. The stormwater then discharges from the dumpster onto the ground.
- Piles of aggregate were not covered at several facilities. Runoff from these piles contained sediment that appeared to enter storm drains.
- A total of 16 facilities were identified as potentially contributing sediment to stormwater. Ten of the facilities showed signs of sediment entering stormwater inlets; sediment on pavement was observed at the remaining 6 facilities.
- The 2019 CSCE findings were compared with the finding identified in the 2018 CSCE for JBLE-Eustis. Twenty nine repeat discoveries were identified and are indicated on Table 3-2.

Table 3-2 outlines the facility-specific BMP findings identified during the 2019 CSCE facility inspections.

Table 3-2. 2019 CSCE BMP Findings at Industrial Sites

Building No. and/or Name	CSCE Findings
211	Trash and sediment were observed entering the retention pond (a BMP).
405	Aggregate pile was not covered, resulting in the potential for sediment in runoff during rain event. (This finding was also noted during previous inspections.) Dumpster drain plug was missing. Concrete pad contained sediment and needed to be swept.
410	Silt fence needed to be fixed around construction site. Sediment was observed entering a roadway.
445	Bin containing metal shavings was stored outside and collecting stormwater. (This finding was also noted during previous inspections.)
448	Roll-off not covered; contents were exposed to stormwater. (This finding was also noted during previous inspections.)
460	Scrap material was exposed to stormwater. (This finding was also noted during previous inspections.) Roll-off was not covered; contents were exposed to stormwater. (This finding was also noted during previous inspections.)
587	Sediment was observed entering a storm drain inlet.
648	Materials were stored in a flammable locker secondary containment.

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Building No. and/or Name	CSCE Findings
703	Severe erosion and wash out were observed next to the facility. (This finding was also noted during previous inspections.) Curb drain restricted by sediment. (This finding was also noted during previous inspections.) Trash was observed collecting on the ground and entering the stormwater conveyance. (This finding was also noted during previous inspections.)
704	Concrete pad near fuel pumps was stained.
836	Secondary containment collecting spilled material inside spill pallet. (This finding was also noted during previous inspections.) 50 55-gallon drums of POLs were not stored in secondary containment. (This finding was also noted during previous inspections.) Drive-on secondary containment accumulated stormwater. Oil spilled on floor in waste area.
845	55-gallon drums of oil not stored in secondary containment.
846	Sediment build up was observed on pavement.
886	Vehicle/equipment secondary containment systems were observed collecting water and appeared to contain a fuel sheen of fuel. The secondary containment system appeared to be leaking. Drip pans were not placed under vehicles. Spill kits were not stocked correctly Several spill kits contained either trash or hazardous material. Secondary containment units were missing proper drain plugs; the outlets were plugged with rags. Stained pavement around scrap metal roll-off was observed. Roll-off containers containing scrap metal and scrap wood were not covered and were collecting stormwater.
889	POL material appeared to have been spilled into the hazardous materials building secondary containment. (This finding was also noted during the previous inspection.)
1035	Drip pans were positioned upside down beneath vehicles. (This finding was also noted during previous inspections.) Vehicle secondary containment was missing proper plugs. (This finding was also noted during previous inspections.) Hazardous materials were stored in secondary containment for flammable lockers. (This finding was also noted during previous inspections.) Used oil container lid were not secure. (This finding was also noted during previous inspections.) Secondary containment pallet (inside) located at an initial accumulation point contained oil. (This finding was also noted during previous inspections.)
1036	Equipment and trash was observed outside and exposed to stormwater.
1205	Leaves were accumulating and entering storm drain inlet. (Identified same finding during the 2018 CSCE).

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Building No. and/or Name	CSCE Findings
1206	Aboveground storage tank (AST) secondary containment drain plug was missing. (This finding was also noted during previous inspections.)
1209	<p>Roll-off containers were not covered and contents were exposed to stormwater. (This finding was also noted during previous inspections.)</p> <p>Trash/debris was observed collecting on the ground and potentially discharging to Eustis Lake outfall.</p> <p>Materials were stored in flammable locker secondary containment.</p> <p>Materials appeared to be spilled in the bottom of secondary containment (inside).</p> <p>Hazardous materials were not stored properly (inside). (This finding was also noted during previous inspections.)</p>
1210	Hazardous material was not stored properly (inside).
1403	A locally manufactured containment system for a 55-gallon drum was collecting stormwater. This containment was not equipped with a drain valve. (This finding was also noted during previous inspections.)
1406	<p>Sand and sediment was observed building up around a storm drain inlet.</p> <p>Metal and equipment was stored outside and exposed to stormwater.</p> <p>Aggregate piles were not covered and exposed to stormwater.</p> <p>Roll-off containing scrap wood and metal was not covered.</p> <p>Evidence of poor housekeeping was observed around the facility.</p> <p>Trash dumpster was left open, exposing contents to stormwater.</p>
1411	<p>Roll-off was not covered, exposing contents to stormwater. (This finding was also noted during previous inspections.)</p> <p>Rust-colored stain observed on the concrete pad near roll-off and dumpster. (This finding was also noted during previous inspections.)</p> <p>Tires stored outside, exposed to stormwater.</p>
1423	<p>Storm drain inlet was covered with sediment and debris.</p> <p>Equipment was stored outside and exposed to stormwater.</p> <p>Evidence of poor housekeeping was observed around the facility.</p>
1428	<p>Secondary containment spill pallet contained oil. (This finding was also noted during previous inspection.)</p> <p>Materials were stored in the flammable locker secondary containment. (This finding was also noted during previous inspection.)</p> <p>Evidence of poor housekeeping was observed around the facility.</p>
2022	Tires were stored outside, exposed to stormwater.
2401	<p>Spill pallets were not adequate for the Phos-chek Foam being stored.</p> <p>Flammable locker secondary containment area contained materials.</p>

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Building No. and/or Name	CSCE Findings
2411	Materials were stored in flammable locker secondary containment. Sediment was observed building up in storm drains. Vegetation (tree) was growing in the storm drain inlet in the parking lot.
2413	Scrap metal roll-off containers were not covered; contents exposed to stormwater. A buildup of sediment was observed in the OWS sediment traps.
2414	OWS diverter valve was in the "open" position and did not appear to be working correctly.
2418	Bay doors do not seal and stormwater enters facility. Sediment build up was observed in the storm drain inlet.
2448	Drain plug for the fuel truck secondary containment was observed on the ground and not in use. (This finding was also noted during previous inspections.)
2505	Tires were stored outside, exposed to stormwater. Scrap metal containers were not covered and contents were exposed to stormwater.
2702	Debris (small oil containers) were stored next to the used oil tank (2702-3).
2704	Drain plugs were missing from four secondary containment pallets. Leaf buildup with a sheen was observed in one secondary containment pallet. Dumpster was missing a drain plug. Materials were stored outside. Leaf litter was observed entering the storm drain inlet. Roll-offs containing scrap metal and scrap wood were not covered, exposing contents to stormwater.
2705	Debris was observed collecting in storm drain. Trash was observed around the facility. Stormwater was accumulating in a large secondary containment pallet.
2734	Stains were observed on concrete pads.
2743	Roll-off containing scrap metal was not covered, exposing contents to stormwater.
2744	Materials were stored in flammable locker secondary containment. Dumpster drain plug was broken.
2750	Scrap metal was stored outside, exposed to stormwater. Roll-off was not covered, exposing contents to stormwater.
3506	Evidence of poor housekeeping around the facility was observed.
3510	Evidence of poor housekeeping around the facility was observed. Residual oil was observed on the top of a used oil drum and drum was left open.
3515	Evidence of poor housekeeping around the facility was observed.
3520	Aggregate piles were not covered. (This finding was also noted during previous inspections.) Equipment and trash were exposed to stormwater.

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Building No. and/or Name	CSCE Findings
3528	Metal shavings from the cutting operation were observed on the ground and were exposed to stormwater.
3534	Evidence of poor housekeeping around the facility was observed.
27504	Roll-off was not covered and contents were exposed to stormwater. (This finding was also noted during previous inspections.)
27607	Roll-off was not covered and contents were exposed to stormwater. (This finding was also noted during previous inspections.) Sediment from soil disturbance was observed on the pavement.
27510	Roll-off was not covered and contents were exposed to stormwater. (This finding was also noted during previous inspections.)

3.5 Routine Quarterly Facility Stormwater Inspections

The industrial facilities are inspected for stormwater quarterly and documented. Due to the lack of personnel during the 1st quarter of 2019, the routine facility inspections were not conducted. The 2nd quarter routine facility inspections were conducted by base stormwater working group members. The 3rd quarter inspections were conducted by base Fence-to-Fence personnel appointed to the stormwater working group. The 4th quarter routine facility stormwater inspection was performed in conjunction with the CSCE.

Results of the inspections 2nd and 3rd quarter are located in Appendix F.

3.6 Outfall Inspections

Inspections of the industrial outfalls on JBLE-Eustis were performed. The map in Appendix B shows the locations of the outfalls included in the permit. Results of the inspections are summarized in Appendix C.

4 RECORDS REVIEW

4.1 Spill History

As part of the CSCE, spill history records were reviewed for the past 3 years (January 2017 through December 2019). During this period, a total of eight spills were reported to VDEQ. The spills that were recorded are summarized in subsections 4.1.1, 4.1.2, and 4.1.2 below.

In accordance with VPDES Permit No. VA0025216 Part I.C.4.4, a record of spills at the installation must be documented in the SWPPP. An inventory of spills for the past 3 years is maintained by the 733d CED.

Spills at JBLE-Eustis are cleaned up using various spill response equipment and materials including absorbent pads, absorbent booms, as well as manual methods and/or vacuum trucks. JBLE-Eustis has contracted with HEPACO, Inc. (HEPACO) to serve as the primary oil spill response organization (OSRO) for the base. The base Integrated Contingency Plan (ICP) specifies that HEPACO is recognized by the United States Coast Guard as a "Level A-E" OSRO for inland rivers and canals and for inland/near shore areas.

4.1.1 2017 Reportable Spills

In 2017, three industrial spills occurred at JBLE-Eustis and were reported to the VDEQ. Each incident is briefly described below:

- On May 22, 2017, during a rain event, a spill occurred at the 3rd Port wastewater treatment facility. Heavy rains mixed with approximately 10 gallons of oil sludge overflowed the engineered containment device. The spill was reported to the appropriate emergency personnel and it was cleaned up immediately using absorbent pads.
- On August 1, 2017, 2 gallons of oil were released to Skiffes Creek at 3rd Port. A mechanical failure occurred during maintenance on U.S. Army Vessel 23, causing a blow back. Emergency personnel were notified and the spill was contained and cleaned up using a boom and absorbent pads.
- On November 1, 2017, at 3rd Port, a sheen was discovered near the dock on Skiffes Creek. Research determined that the sheen originated at an outfall and the contents were flushed out. A boom was deployed to contain the sheen and then removed using absorbent pads.

4.1.2 2018 Reportable Spills

In 2018, two industrial spills occurred at JBLE-Eustis and were reported to the VDEQ. Each incident is briefly described below.

- On September 17, 2018, soldiers working on a vessel at 3rd Port noticed a sheen and smelled what might be fuel in the water as they were passing the boat ramp. The Fire Department was contacted and dispatched to the scene. Upon arrival, it was discovered that an estimated 20 gallons of an unknown black tar/oil-like substance was bubbling up near a corner of the sheet piling surrounding the boat ramp. The area was boomed off and absorbent pads were placed to contain the unknown material. The site was monitored for

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24 hours and further investigation was required.

- On December 17, 2018, while transporting a portable diesel fuel tank with a forklift to refuel a semi-permanent crane, the tank fell off the forklift tines and spilled 125 gallons of diesel fuel onto the ground. Approximately 35 gallons of diesel fuel entered Milstead Creek. Personnel quickly responded to clean the spill by placing absorbent pads and booms in the stream and removing contaminated soil.

4.1.3 2019 Reportable Spills

In 2019, one event occurred at JBLE-Eustis and was reported to the VDEQ. This incident is briefly described below.

- On August 9, 2019, soldiers from the 128th Aviation Brigade noticed a bright green substance in the small creek behind their building. The soldiers notified Fort Eustis Fire and Emergency Services and the Environmental Office. It was determined that a dye pack was dropped in a stormwater inlet in the middle of the motor pool at 2505 Jackson Avenue.

4.2 Stormwater Monitoring

4.2.1 Stormwater Sampling Requirements

Both visual and analytical stormwater monitoring is required as part of the current VPDES permit, Permit No. VA0025216 (1 September 2015 – 31 August 2020). The permit specifies that quarterly visual monitoring and either semiannual or annual sampling and analysis are required for Outfalls 006, 024, 025, 046, 064, 065, 080, 139, and 144.

The Chesapeake Bay Total Maximum Daily Load (TMDL) includes waste load allocations for VPDES permitted industrial stormwater facilities as part of the regulated stormwater aggregate load. The monitoring requirements include calculations of the facility specific loadings for total suspended solids (TSS), total nitrogen, and total phosphorus. JBLE-Eustis is required by VPDES Permit No. VA0025216 to collect and analyze stormwater for TSS, total nitrogen, and total phosphorus at the above-listed outfalls and representative outfall. Monitoring and analytical requirements for JBLE-Eustis required for the duration of permit VA0025216 are provided in Tables 4-1 and 4-2 of this report. Bhate collected samples and provided the results for 2019.

4.2.2 Stormwater Sample Results

Stormwater samples for the 1st and 2nd semiannual monitoring events as well as the annual results were collected. The results of these sampling events are summarized in Appendix D.

Monitoring results for the required outfalls are listed in Tables 4-1 and 4-2. Monitoring results are summarized in tables by quarter in Appendix E.

Table 4-1. VDEQ Permit No. VA0025216 Stormwater Sampling/Monitoring Requirements 2016/2017

Outfall	Visual	Flow	pH	TSS	NO ₂ +NO ₃ Nitrogen	Total Kjeldahl Nitrogen (TKN)	Total Phosphorus	Total Nitrogen	Copper	Zinc	Total Petroleum Hydrocarbons (TPH)
006	Qtrly	Semi	Semi	Semi	Semi	Semi	Semi	Semi	Annual	Annual	Annual
024	Qtrly	Semi	Semi	Semi	Semi	Semi	Semi	Semi	-	-	Annual
025	Qtrly	Semi	Semi	Semi	Semi	Semi	Semi	Semi	-	-	Annual
042	-	Semi	Semi	Semi	Semi	Semi	Semi	Semi	-	-	-
046	-	Annual	Annual	Annual	Annual	Annual	Annual	Annual	-	-	-
051	-	Semi	Semi	Semi	Semi	Semi	Semi	Semi	Annual	Annual	Annual
064	Qtrly	Semi	Semi	Semi	Semi	Semi	Semi	Semi	-	-	Annual
065	Qtrly	Semi	Semi	Semi	Semi	Semi	Semi	Semi	-	-	Annual
072	-	Semi	Semi	Semi	Semi	Semi	Semi	Semi	-	-	-
074	-	Semi	Semi	Semi	Semi	Semi	Semi	Semi	-	-	-
080	Qtrly	Semi	Semi	Semi	Semi	Semi	Semi	Semi	Annual	Annual	Annual
101	-	Semi	Semi	Semi	Semi	Semi	Semi	Semi	-	-	-
108	-	Semi	Semi	Semi	Semi	Semi	Semi	Semi	-	-	Annual
109	-	Semi	Semi	Semi	Semi	Semi	Semi	Semi	-	-	Annual
111	-	Semi	Semi	Semi	Semi	Semi	Semi	Semi	-	-	Annual
114	-	Semi	Semi	Semi	Semi	Semi	Semi	Semi	Annual	Annual	Annual
132	-	Semi	Semi	Semi	Semi	Semi	Semi	Semi	-	-	-
139	Qtrly	Semi	Semi	Semi	Semi	Semi	Semi	Semi	Annual	Annual	Annual
144	-	Annual	Annual	Annual	Annual	Annual	Annual	Annual	-	-	-

Notes: Qtrly = Quarterly; Semi = Semiannual; NO₂+NO₃ = Nitrates + Nitrites

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Table 4-2. VDEQ Permit No. VA0025216 Stormwater Sampling/Monitoring Requirements 2018

Outfall	Visual	Flow	pH	TSS	NO ₂ +NO ₃ Nitrogen	TKN	Total Phosphorus	Total Nitrogen	Copper	Zinc	TPH
006	Qtrly	Semi	Semi	Semi	Semi	Semi	Semi	Semi	Annual	Annual	Annual
024	Qtrly	Semi	Semi	Semi	Semi	Semi	Semi	Semi	-	-	Annual
025	Qtrly	Semi	Semi	Semi	Semi	Semi	Semi	Semi	-	-	Annual
042	-	-	-	-	-	-	-	-	-	-	-
046	-	Annual	Annual	Annual	Annual	Annual	Annual	Annual	-	-	-
051	-	-	-	-	-	-	-	-	-	-	-
064	Qtrly	Semi	Semi	Semi	Semi	Semi	Semi	Semi	-	-	Annual
065	Qtrly	Semi	Semi	Semi	Semi	Semi	Semi	Semi	-	-	Annual
072	-	-	-	-	-	-	-	-	-	-	-
074	-	-	-	-	-	-	-	-	-	-	-
080	Qtrly	Semi	Semi	Semi	Semi	Semi	Semi	Semi	Annual	Annual	Annual
101	-	-	-	-	-	-	-	-	-	-	-
108	-	-	-	-	-	-	-	-	-	-	-
109	-	-	-	-	-	-	-	-	-	-	-
111	-	-	-	-	-	-	-	-	-	-	-
114	-	-	-	-	-	-	-	-	-	-	-
132	-	-	-	-	-	-	-	-	-	-	-
139	Qtrly	Semi	Semi	Semi	Semi	Semi	Semi	Semi	Annual	Annual	Annual
144	-	Annual	Annual	Annual	Annual	Annual	Annual	Annual	-	-	-

Notes: Qtrly = quarterly; Semi = Semiannual; NO₂+NO₃ = Nitrates + Nitrites

Table 4-3. VDEQ Permit No. VA0025216 Stormwater Sampling/Monitoring Requirements 2019/2020

Outfall	Visual	Flow	pH	TSS	NO ₂ +NO ₃ Nitrogen	TKN	Total Phosphorus	Total Nitrogen	Copper	Zinc	TPH
006	Qtrly	Semi	Semi	Semi	-	-	-	-	Annual	Annual	Annual
024	Qtrly	Semi	Semi	Semi	-	-	-	-	-	-	Annual
025	Qtrly	Semi	Semi	Semi	-	-	-	-	-	-	Annual
042	-	-	-	-	-	-	-	-	-	-	-
046	-	Annual	Annual	Annual	Annual	Annual	Annual	Annual	-	-	-
051	-	-	-	-	-	-	-	-	-	-	-
064	Qtrly	Semi	Semi	Semi	-	-	-	-	-	-	Annual
065	Qtrly	Semi	Semi	Semi	-	-	-	-	-	-	Annual
072	-	-	-	-	-	-	-	-	-	-	-
074	-	-	-	-	-	-	-	-	-	-	-
080	Qtrly	Semi	Semi	Semi	-	-	-	-	Annual	Annual	Annual
101	-	-	-	-	-	-	-	-	-	-	-
108	-	-	-	-	-	-	-	-	-	-	-
109	-	-	-	-	-	-	-	-	-	-	-
111	-	-	-	-	-	-	-	-	-	-	-
114	-	-	-	-	-	-	-	-	-	-	-
132	-	-	-	-	-	-	-	-	-	-	-
139	Qtrly	Semi	Semi	Semi	-	-	-	-	Annual	Annual	Annual
144	-	Annual	Annual	Annual	Annual	Annual	Annual	Annual	-	-	-

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APPENDIX A

FACILITY INSPECTION SUMMARIES

2019 COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
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Facility Inspection Summary

Building Number(s):	211
Facility Name:	U.S. Army Dive Company
Organization:	74th, 86th, 511th and 569th Engineer Dive Detachments
POC:	SGT Emory 878-8685
Discharge Receiving System(s):	Outfall 102/Bailey Creek
Inspectors:	Scott Moler
Date/Time:	11 Nov 2019/0930
Weather:	Cloudy 40°F

Facility Activities

Building 211 is the home of the U.S. Army Dive Company facility. Diving equipment is stored inside and outside the building, including under a covered area at the rear (north) of the facility. Personnel perform maintenance on fuel and hydraulic components, as well as conduct oil changes on engines, boat motors, generators, and compressors at Building 211. Maintenance is performed both inside and outside. Dive equipment is stored both indoors and outdoors in containers. Hazardous materials are stored at several locations in the facility, including outdoors in locked yellow flammables cabinets. Equipment is rinsed outside. Wash water is allowed to drain to a drop inlet as well as through a curb cut at the rear of the facility into a wet pond connected to Outfall 102.

Inventory of Materials Potentially Exposed to Stormwater¹

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Metals working conducted outdoors	Metals	Varies	Not applicable	None
Equipment storage including, but not limited to, trailers, mobile generators, and generator parts	Diesel fuel, hydraulic fluid, or oil	Varies	Not applicable	None; not required
Marine equipment including, but not limited to, boats, rafts, diving cylinders, and other miscellaneous equipment	Varies	Varies	Not applicable	None; not required
Material storage including, but not limited to, hoses, tires, and scrap metal	Varies	Varies	Not applicable	None; not required
Assorted wood storage including, but not limited to, pallets	Wood	Varies	Not applicable	None; not required

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

¹ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

Outdoor Material Storage

- | | | | |
|---|---|---|--|
| <input checked="" type="checkbox"/> Vehicle Storage | <input checked="" type="checkbox"/> Equipment Storage | <input checked="" type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Tire Storage | <input type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Cans/Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input checked="" type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input checked="" type="checkbox"/> Other: <u>CONEX boxes</u> | | |

Comments: None

HM/HW/POL Storage

- | | | | |
|--|--|--|---|
| <input checked="" type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input checked="" type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input checked="" type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments:

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff including any spills occurring on the operational (paved) area will flow toward the back of the paved area to a drop inlet and curb cut and into a wet pond. The pond ultimately discharges to Bailey Creek.
- Stormwater runoff including any spills occurring south and east of Building 211 will flow through several BMPs to nearby stormwater conveyances and ultimately flow to Bailey Creek.
- The facility is located in drainage basin 102.

Current BMPs

- P2 personnel are trained annually in good housekeeping, pollution prevention, material management, and spill prevention and response.

Notable Issues:**BLDG 211:**

- Trash and sediment observed entering Retention Pond (BMP)

Building 211
U.S. Army Dive Company Photographs²



Photo 211-1. Equipment storage



Photo 211-2. Sediment build up



Photo 211-3. Equipment storage



Photo 211-4. Hazardous material storage



Photo 211-5. Trash entering BMP



Photo 211-6. Compressed gas storage

² Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

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Facility Inspection Summary

Building Number(s):	400
Facility Name:	Boom House
Organization:	733d Mission Services Division (MSD)
POC:	Mr. Dehart 878-4687
Discharge Receiving System(s):	Outfall 137 & Sheet Flow/Skiffes Creek
Inspectors:	Scott Moler
Date/Time:	5 Dec 2019/0930
Weather:	44°F, Sunny

Facility Activities

Vessels are boomed for fueling, major maintenance, and bilge water transfers. Building 400, located in Third Port, is used to store containment boom and spill kit supplies. The boom is 4,000 linear feet (LF) in length and is pulled onshore in sections approximately twice per year and rinsed with a pressure washer to remove marine growth. Spill kits are located along the docks. Boats are only washed at the airfield wash rack to remove marine growth. Removed marine growth material is collected and disposed of properly.

Inventory of Materials Potentially Exposed to Stormwater³

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Marine equipment storage including, but not limited to, rubber bumpers, plastic boom floats, and other miscellaneous pier components	Varies	Varies	Not applicable	None; not required
Equipment storage including, but not limited to, trailers, equipment lifts, and GOVs	Diesel fuel, hydraulic fluid, or oil	Varies	Not applicable	None; not required
Assorted wood storage including, but not limited to, wooden beams and pallets	Wood	Varies	Not applicable	None; not required

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outdoors and uncovered if not otherwise stated.

³ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

Outdoor Material Storage

- | | | | |
|---|---|--|---|
| <input checked="" type="checkbox"/> Vehicle Storage | <input checked="" type="checkbox"/> Equipment Storage | <input checked="" type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Cans/Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input checked="" type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input type="checkbox"/> Other: _____ | | |

Comments:

HM/HW/POL Storage

- | | | | |
|---|--|--|---|
| <input type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments: No HM/HW/POL Storage

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff including any spills occurring around Building 400 will flow west across the concrete and directly into Skiffes Creek.
- The facility is located in drainage basin 137.

Current Best Management Practices (BMPs)

- Spill kits are located along the docks.
- A temporary pop-up berm is used as secondary containment for certain equipment stored on site.
- The contractor inspects rainwater that accumulates in pop-up secondary containment berms while the AST is on site.
- Facility personnel perform required monthly and quarterly inspections of the facility.
- Facility personnel are trained annually in good housekeeping, pollution prevention, material management, and spill prevention and response.

Notable Issues: None

**Building 400
Boom House Photographs⁴**



Photo 400-1. Equipment storage



Photo 400-2. Equipment storage



Photo 400-3. Wood storage



Photo 400-4. Boom

⁴ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

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Facility Inspection Summary

Building Number(s): 405 and 415
Facility Name: Harbormaster Shop & General Vissering Landship
Organization: Third Port Harbormaster
POC: Mr. Dehart 878-4687
Discharge Receiving System(s): Outfalls 006 and 092/Skiffes Creek
Inspectors: Scott Moler
Date/Time: 05 Dec 2019/0940
Weather: Sunny 44°F

Facility Activities

Building 405 is the Harbormaster Shop and Building 415 is the General Vissering Landship. The south side of Building 405 consists of offices and classrooms associated with Building 415. The north side of the building consists of the Harbormaster Shop. The shop maintains small vessels with outboard motors. Maintenance is performed both in the shop as well as outside where the boats are docked.

Building 415 is a large mock vessel that is used for training. The building has two large electric/hydraulic cranes that are used to practice loading dummy cargo on and off the vessel. The lower level is used to practice exercises tying down vehicles and cargo. Other organizations also use Building 415 for search and seizure training exercises.

Inventory of Materials Potentially Exposed to Stormwater⁵

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Equipment storage including, but not limited to, forklifts, gators, dummy cargo, and GOVs	Varies	Varies	Not applicable	None; not required
Marine equipment storage including, but not limited to, patrol boats, boat trailers, buoys, and electric/hydraulic crane on Landship	Varies	Varies	Not applicable	None; not required
Assorted wood stored north of Building 405	Wood	Varies	Not applicable	None; not required

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

⁵ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

Outdoor Material Storage

- | | | | |
|---|---|---|---|
| <input checked="" type="checkbox"/> Vehicle Storage | <input checked="" type="checkbox"/> Equipment Storage | <input type="checkbox"/> Misc. Metals | <input checked="" type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Cans/Drums/Tanks | <input checked="" type="checkbox"/> Aggregate Storage |
| <input checked="" type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input type="checkbox"/> Other: _____ | | |

Comments:

HM/HW/POL Storage

- | | | | |
|--|--|--|---|
| <input checked="" type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input checked="" type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments:

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff including any spills occurring around Buildings 405 and 415 will flow to either nearby stormwater drains or directly into Skiffes Creek.
- The facility is located in drainage basins 006 and 092.

Current BMPs

- Spill kits and pallets are maintained at Building 405.
- Spill containment pallets are maintained at Building 405.
- Solid waste dumpster is kept closed.
- Cardboard recycling bin is kept closed.
- Facility personnel perform required monthly and quarterly inspections of the facilities.
- Facility personnel are trained annually in good housekeeping, pollution prevention, material management, and spill prevention and response.

Notable Issues: BLDG 405

- Aggregate pile not covered. (This finding was also noted during a previous inspection.)
- Facility is currently being remodeled; all hazardous materials are temporally stored in building 414.
- Dumpster drain plug missing.
- Concrete pad contains sediment and needs to be swept.

Buildings 405 and 415
Harbormaster Shop and General Vissering Landship Photographs⁶



Photo 405-1. solid waste dumpsters and cardboard recycling bin



Photo 405-2. Hazmat storage



Photo 405-3. Aggregate pile



Photo 405-4. Equipment storage (1)



Photo 405-5. Equipment storage (2)

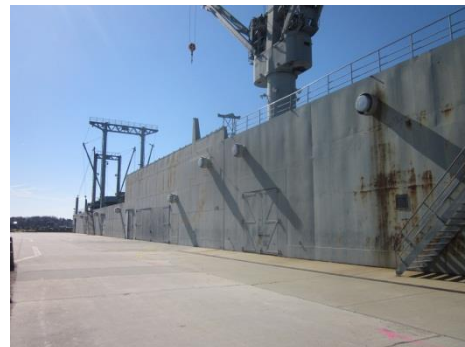


Photo 415-1. Building 415 area

⁶ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

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Facility Inspection Summary

Building Number(s):	410 and 411
Facility Name:	Bilge Water Pretreatment Building and Pump Station
Organization:	Old Dominion Utility Services (ODUS)
POC:	Mr. McDade 757-570-5191 ODUS emergency cell
Discharge Receiving System(s):	Outfall 080/Skiffes Creek
Inspectors:	Scott Moler
Date/Time:	5 Dec 2019/1040
Weather:	44°F

Facility Activities

Buildings 410 and 411 are the Bilge Water Pretreatment Building and Pump Station, which are operated by an outside contractor, ODUS. Building 411 houses the bilge water pretreatment system for Third Port and Building 410 is the pump station. Bilge water is pumped to ASTs at the facility, then into the treatment system located in Building 411. There is no connection to Stormwater in the system, including secondary containment drains for the ASTs. Accumulations within the containment system are then routed back through the pretreatment system. The treatment system runs approximately once per quarter and has a maximum treatment rate of 25 gallons per minute.

Inventory of Materials Potentially Exposed to Stormwater⁷

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
AST containing bilge water (410-1)	Bilge water	30,000 gallons	AST	Containment dike
AST containing bilge water (410-3)	Bilge water	10,000 gallons	AST	Containment dike
AST associated with emergency diesel generator (EDG) for the lift station at Building 410	Diesel fuel	75 gallons	AST	None

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

Outdoor Material Storage

- | | | | |
|--|--|---|--|
| <input type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Equipment Storage | <input type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Tire Storage | <input type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Cans/Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input type="checkbox"/> Recycling Container | <input type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input type="checkbox"/> Other: _____ | | |

Comments: No outdoor material storage

⁷ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

HM/HW/POL Storage

- | | | | |
|---|--|---|--|
| <input type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input checked="" type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input checked="" type="checkbox"/> Other: <u>Waste AST</u> | |

Comments:

Waste AST

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff and any spills occurring around Buildings 410 and 411, will flow northwest to nearby stormwater inlets and ultimately flow to Skiffes Creek.
- The facility is located in drainage basin 080.

Current BMPs

- Personnel are present and observe all transfer and discharge operations at the facility.
- Building 411 has a containment floor with a sump that can reroute liquid back through the bilge water pretreatment system.
- Water that accumulates in the two secondary containment dikes for the bilge water ASTs drains to the sanitary sewer system either directly or via the bilge water pretreatment system via a manual release by the treatment system operator, ODUS.
- Grass seeding and erosion netting are used in areas of new construction to control sediment runoff.
- Facility personnel perform required weekly, monthly, and quarterly inspections of the facility.
- Facility personnel are trained annually in good housekeeping, pollution prevention, material management, and spill prevention and response.
- P2 implementation at the facility: Absorbent materials.

Notable Issues:

BLDG 410:

- Construction is being performed on site.
- Silt fence needs repair.
- Sediment observed entering road way.

**Buildings 410 and 411
Bilge Water Pretreatment Building and Pump Station Photographs⁸**



Photo 410-1. Construction silt fence



Photo 411-1. 10,000-gallon bilge water AST (410-3)



Photo 411-2. 30,000-gallon bilge water AST (410-1)

⁸ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

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Facility Inspection Summary

Building Number(s):	426 and 448
Facility Name:	558th Watercraft Field Maintenance Co. and Carpentry Shop
Organization:	558th Watercraft Field Maintenance Co.
POC:	Mr. Nash 878-3205
Discharge Receiving System(s):	Outfall 080/Skiffes Creek
Inspectors:	Scott Moler
Date/Time:	26 Nov 2019/1355
Weather:	Sunny 64°F

Facility Activities

Buildings 426 and 448 make up the 558th Watercraft Field Maintenance Facility, including the Carpentry Shop. Building 426 is a maintenance facility that performs vessel engine and parts maintenance indoors. Maintenance is also performed at the vessel, while still docked, at a nearby pier. Personnel conduct engine test runs outside within pop-up berms that are equipped with spill kits. Facility personnel containerize waste fluids and send them to the temporary storage site (TSS) at Building 438. A 300-gallon AST containing water is used to cool the engines in place of antifreeze during test runs; that water is drained onto the pavement. Facility personnel store scrap metal on site and typically transport it to the on-base recycling center every two weeks.

Building 448 is the carpentry shop, where personnel build various wood structures for operations. The facility is typically unoccupied and mostly inactive aside from occasional woodworking.

Inventory of Materials Potentially Exposed to Stormwater⁹

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
300-gallon water tank used to circulate water through engines during engine test runs	Potentially contaminated water	300 gallons	Open top AST	None, not required
Uncovered metal recycling bin	Metals	Varies	Dumpster	None, not required
Uncovered wood recycling bin	None	Varies	Dumpster	None, not required
Pile of scrap wood	None	Varies	Pile	None, not required

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

Outdoor Material Storage

☒ Vehicle Storage
 ☒ Equipment Storage
 ☒ Misc. Metals
 ☐ Plastic Rubber

⁹ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

2019 COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
JBLE - EUSTIS

- | | | | |
|---|--|---|--|
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Cans/Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input checked="" type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input type="checkbox"/> Recycling Container | <input type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input type="checkbox"/> Other: _____ | | |

Comments:

HM/HW/POL Storage

- | | | | |
|--|--|--|---|
| <input checked="" type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input checked="" type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input checked="" type="checkbox"/> Compressed Gas | <input checked="" type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input checked="" type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input checked="" type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments:

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff including any spills occurring around Buildings 426 and 448 will flow to nearby stormwater drains and ultimately to Skiffes Creek.
- The facility is located in drainage basin 080.

Current BMPs

- Vessel engine and parts maintenance; performed indoors or at the vessel docked at a nearby pier.
- Spill kits maintained at facility.
- Facility personnel use a temporary pop-up berm when conducting engine test runs.
- Solid waste dumpster; kept closed.
- Facility personnel perform required weekly, monthly, and quarterly inspections of the facility.
- Facility personnel receive training annually in good housekeeping, pollution prevention, material management, and spill prevention and response.

Notable Issues:

BLDG 448

- Roll-off is not covered; contents exposed to stormwater. (This finding was also noted during a previous inspection.)

**Buildings 426 and 448
558th Watercraft Field Maintenance Co. and Carpentry Shop Photographs¹⁰**



Photo 426-1. Hazardous material storage (1)



Photo 426-2. Hazardous material storage (2)



Photo 426-3. Scrap metal storage



Photo 448-1. Roll-off contents

¹⁰ Photographs included materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

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Facility Inspection Summary

Building Number(s): 433
Facility Name: 97th and 73rd Transportation Co. Shops
Organization: 97th and 73rd Transportation Co.
POC: Mr. Cogswell 878-3388
Discharge Receiving System(s): Outfalls 079 and 138/Skiffes Creek
Inspectors: Scott Moler
Date/Time: 3 Dec 2019/1422
Weather: Sunny 44°F

Facility Activities

Building 433 serves as the 97th and 73rd Transportation Company shops. The central portion of the building consists of administrative offices for both units. The southern portion of the building houses the 73rd Transportation Co. Shop, temporary storage for stocking supplies/materials on vessels, and additional offices. The 73rd Transportation Co. Shop has a sand blaster and parts washer in the shop area that are not currently used. The northern portion of the building is home to the 97th Transportation Co. Shop, temporary storage for material before loading vessels, and additional offices. Vessel maintenance is not performed in either shop and neither shop has floor drains. Maintenance is only performed at the vessel while still docked at a nearby pier.

Inventory of Materials Potentially Exposed to Stormwater¹¹

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Miscellaneous material storage including, but not limited to, propellers and fenders (bumpers)	Varies	Varies	Not applicable	None, not required
Cable reels	Metal	4 Spools	Outside	None, not required

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

Outdoor Material Storage

- | | | | |
|---|---|---|---|
| <input checked="" type="checkbox"/> Vehicle Storage | <input checked="" type="checkbox"/> Equipment Storage | <input checked="" type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Cans/Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input type="checkbox"/> Other: _____ | | |

Comments:

¹¹ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

HM/HW/POL Storage

- | | | | |
|---|--|---|---|
| <input type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input checked="" type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input checked="" type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input checked="" type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input checked="" type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments:

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff including any spills occurring outside Building 433 will flow to nearby stormwater drains and ultimately to Skiffes Creek.
- The facility is located in drainage basins 079 and 138.

Current BMPs

- Drip pans are used for GOVs stored outdoors at this facility.
- Vessel maintenance is conducted indoors or on the vessel itself, docked at a nearby pier.
- Facility personnel perform required monthly and quarterly inspections of the facility.
- Facility personnel are trained annually in good housekeeping, pollution prevention, material management, and spill prevention and response.

Notable Issues: None

Building 433
97th and 73rd Transportation Co. Shops Photographs¹²



Photo 433-1. Hazardous material storage



Photo 433-2. Spill kit



433-3. Materials stored inside (1)



433-4. Materials stored inside (2)

¹² Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

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Facility Inspection Summary

Building Number(s): 438
Facility Name: Hazardous Waste Temporary Storage Site (Third Port Operations)
Organization: 7th Sustainment Brigade (BDE)
POC: Chief Cogswell 878-3388
Discharge Receiving System(s): Outfalls 137/Skiffes Creek
Inspectors: Scott Moler
Date/Time: 3 Dec 2019/1422
Weather: Sunny 44°F

Facility Activities

Building 438 is the Hazardous Waste Temporary Storage Site where hazardous waste is stored for all of Third Port. A 500-gallon double-walled AST containing used oil is stored outside Building 438.

Inventory of Materials Potentially Exposed to Stormwater¹³

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
AST containing used oil (438-2)	Used oil	500 gallons	AST	Double-walled tank
GOV parking	Diesel fuel, hydraulic fluid, or oil	Varies	Not applicable	None, not required

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

Outdoor Material Storage

- | | | | |
|---|---|---|---|
| <input checked="" type="checkbox"/> Vehicle Storage | <input checked="" type="checkbox"/> Equipment Storage | <input type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Cans/Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input type="checkbox"/> Other: _____ | | |

Comments:

HM/HW/POL Storage

- | | | | |
|--|--|---|--|
| <input type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input checked="" type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input checked="" type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input checked="" type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input checked="" type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input checked="" type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input checked="" type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments:

¹³ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff including any spills occurring around Buildings 438 will flow north across the paved area to nearby storm drains and ultimately reach Skiffes Creek.
- The facility is located in drainage basin 137.

Current BMPs

- Secondary containment for the used oil AST (438-2) is provided by a double-walled tank.
- Used oil AST (438-2) is secured to restrict access.
- Hazardous waste temporary accumulation area is indoors and is provided with secondary containment.
- Facility personnel perform required weekly, monthly, and quarterly inspections of the facility.
- Facility personnel are trained annually in good housekeeping, pollution prevention, material management, and spill prevention and response.

Notable Issues: None

Building 438 Hazardous Waste TSS Third Port Operations Photographs¹⁴



Photo 438-1. Used oil AST (438-2)

¹⁴ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

Facility Inspection Summary

Building Number(s): 445
Facility Name: Watercraft Field Maintenance Welding and Machine Shops
Organization: 558th Watercraft Field Maintenance Co.
POC: SGT Vega 878-3205
Discharge Receiving System(s): Outfalls 080 and 083/Skiffes Creek
Inspectors: Scott Moler
Date/Time: 26 Nov 2019/1355
Weather: Sunny 64°F

Facility Activities

Building 445 is the Watercraft Field Maintenance Welding and Machine Shops. The building consists of administrative offices, a machine bay, and a welding bay. Facility activities include metals repair and fabrication. There are no floor drains in the machine and welding bays. Metal working activities are conducted indoors, and some work is performed on the vessels themselves at the pier. Work is not conducted outside the building. Materials and equipment are stored outside the building.

Inventory of Materials Potentially Exposed to Stormwater¹⁵

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Equipment storage including, but not limited to, mobile welding machines, lawn mowers, trailers, and tractor attachments	Varies	Varies	Not applicable	None, not required
Assorted metal storage including, but not limited to, scrap metal, pipes, rods, and sheet metal	Metals	Varies	Not applicable	None, not required
Uncovered metal recycling bins	Metals	Varies	Dumpster	None, not required

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

Outdoor Material Storage

☒ Vehicle Storage ☒ Equipment Storage ☒ Misc. Metals ☐ Plastic Rubber
☐ Tire Storage ☒ Garbage Dumpster ☒ Empty Cans/Drums/Tanks ☐ Aggregate Storage
☒ Wood/Lumber ☐ Construction Material ☒ Recycling Container ☒ Cardboard/Paper
☐ Portable Toilet ☐ Transformers ☐ Fire Suppressant ☐ White Goods
☐ Munitions Storage ☒ Sand bags ☐ Other: _____

Comments: A scrap metal dumpster in the adjacent fenced yard is overflowing. Metal shavings had spilled onto the pavement around the dumpster.

¹⁵ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

HM/HW/POL Storage

- | | | | |
|--|--|---|---|
| <input checked="" type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input checked="" type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input checked="" type="checkbox"/> Compressed Gas | <input checked="" type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input checked="" type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input checked="" type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments:

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff and any spills occurring around Building 445, will flow to nearby storm drains, which ultimately flow to Skiffes Creek.
- The facility is located in drainage basins 080 and 083.

Current BMPs

- Maintenance activities are performed indoors or on the vessels at the piers.
- A spill kit is maintained in the facility.
- Facility personnel perform required monthly and quarterly inspections of the facility.
- Facility personnel are trained annually in good housekeeping, pollution prevention, material management, and spill prevention and response.

Notable Issues

BLDG 445:

- Bin containing metal shavings is stored outside and collecting storm water.

Building 445
Watercraft Field Maintenance Welding and Machine Shops Photographs¹⁶



Photo 445-1. Hazardous Material Storage (1)



Photo 445-2. Hazardous Material Storage (2)



Photo 445-3. Scrap metal (1)



Photo 445-4. Scrap metal (2)

¹⁶ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

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Facility Inspection Summary

Building Number(s): 453
Facility Name: 558th Watercraft Field Maintenance Company Storage Facility
Organization: 558th Watercraft Field Maintenance Co.
POC: SFC Redner 878-2276
Discharge Receiving System(s): Outfall 083/Skiffes Creek
Inspectors: Scott Moler
Date/Time: 26 Nov 2019/1355
Weather: 64°F

Facility Activities

Building 453 serves as a storage facility for the 558th Watercraft Field Maintenance Company. No maintenance is conducted on site. Stored equipment includes empty EDGs, old engines, computers, and desks.

Inventory of Materials Potentially Exposed to Stormwater¹⁷

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
CONEX boxes	Metal	Varies	Box	None, not required

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

Outdoor Material Storage

- | | | | |
|--|---|---|--|
| <input type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Equipment Storage | <input type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Tire Storage | <input type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Cans/Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input type="checkbox"/> Recycling Container | <input type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input checked="" type="checkbox"/> Other: Conexs | | |

Comments:

HM/HW/POL Storage

- | | | | |
|---|--|--|---|
| <input type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments: No HM/HW/POL storage

¹⁷ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff including any spills occurring around Building 453 will flow away from the building to nearby storm drains and ultimately to Skiffes Creek.
- The facility is located in drainage basin 083.

Current BMPs

- No maintenance activities are performed at this facility.
- Covered storage is provided for most materials stored at this facility.
- EDGs stored at this facility are empty.
- Facility personnel perform required monthly and quarterly inspections of the facility.
- Facility personnel are trained annually in good housekeeping, pollution prevention, material management, and spill prevention and response.

Notable Issues: None

Facility Inspection Summary

Building Number(s):	454
Facility Name:	331st Vessel Support Office (VSO)
Organization:	7th Transportation BDE/11th Transportation Battalion (BN)/331st Transportation Co.
POC	SFC Worrell 757-877-3898
Discharge Receiving System(s):	Outfalls 080 and 139/Skiffes Creek
Inspectors:	Scott Moler
Date/Time:	3 Dec 2019/1430
Weather:	44°F, Sunny

Facility Activities

Building 454 serves as a maintenance facility for the 7th Transportation BDE, 11th Transportation BN, and the 331st Transportation Co. This facility mainly services the warping tugs, including performing maintenance on tug boat parts. Occasionally, the facility performs welding activities, which are typically conducted on the warping tugs. Spill kits are kept onsite and on the tugboats. A scrap metal storage is located outside the west side of the building and an oxygen tank is stored outside the south side of the building. The maintenance bay is on the west side of the building. Hazardous materials (HazMat) are stored in a HazMat locker and generally include POLs, antifreeze, coolant, deionized water, and acid. Inside the facility, personnel both maintain and service lead acid batteries used on vessels. No washing is conducted on site.

Inventory of Materials Potentially Exposed to Stormwater¹⁸

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Assorted metal storage including, but not limited to, scrap metal, pipes, rods, and sheet metal	Metals	Varies	Not applicable	None, not required
Equipment and material storage including, but not limited to, tires, lawn mower, weed eater, and metal shelving	Varies	Varies	Not applicable	None, not required
Uncovered wood recycling bin	Wood	Varies	Dumpster	None, not required

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

¹⁸ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

Outdoor Material Storage

- | | | | |
|---|--|---|---|
| <input type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Equipment Storage | <input checked="" type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Cans/Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input checked="" type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input type="checkbox"/> Other: _____ | | |

Comments:

HM/HW/POL Storage

- | | | | |
|--|--|---|---|
| <input checked="" type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input checked="" type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input checked="" type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input checked="" type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input checked="" type="checkbox"/> Other: Corrosive locker _____ | |

Comments:

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff including any spills occurring around Building 454 will flow to nearby stormwater drains and ultimately to Skiffes Creek.
- The facility is located in drainage basins 080 and 139.

Current BMPs

- Parts maintenance is performed indoors.
- Spill kits are kept on site and on the warping tugboats.
- Solid waste dumpster is kept closed.
- Facility personnel perform required monthly and quarterly inspections of the facility.
- Facility personnel are trained annually in good housekeeping, pollution prevention, material management, and spill prevention and response.

Notable Issues: None

Building 454
331st Vessel Support Office Photographs



Photo 454-1. Hazardous material storage (1)



Photo 454-2. Acid storage (1)



Photo 454-3. Spill kits



Photo 454-4. Acid storage (2)

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Facility Inspection Summary

Building Number(s): 455
Facility Name: 1098th Detachment
Organization: 1098th Transportation Detachments
POC: SGT Bindi 878-5387
Discharge Receiving System(s): Outfalls 137 and 138/Skiffes Creek
Inspectors: Scott Moler
Date/Time: 3 Dec 2019/1530
Weather: Sunny 44°F

Facility Activities

Building 455 is a support maintenance facility for LCM-8 “Mike” boats. This facility conducts minor maintenance and contracts out any major repairs for the Mike boats. All boat maintenance is performed inside the shop and/or on the boats at the pier. Welding operations are conducted in the facilities work bay. There are no floor drains in the facility. The western portion of Building 455 is a shop for the 1098th Detachment. The east side is a shop for the 355th Detachment. Other shop and equipment storage areas are located in the facility. HazMat stored in approved cabinets and consist usually of POL’S and paints.

Inventory of Materials Potentially Exposed to Stormwater¹⁹

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Material storage including, but not limited to, tires	Varies	Varies	Not applicable	None, not required
Uncovered cardboard recycling bin	Cardboard	Varies	Dumpster	None, not required

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

Outdoor Material Storage

- | | | | |
|--|--|---|---|
| <input type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Equipment Storage | <input type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Cans/Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input type="checkbox"/> Other: _____ | | |

Comments:

¹⁹ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

HM/HW/POL Storage

- | | | | |
|--|--|---|---|
| <input checked="" type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input checked="" type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input checked="" type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input checked="" type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input checked="" type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input checked="" type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments:

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff and any spills occurring around Buildings 438 and 455, will flow north across the paved area to nearby storm drains and ultimately reach Skiffes Creek.
- The facility is located in drainage basins 137 and 138.

Current BMPs

- Boat maintenance is performed indoors or on boats docked at piers.
- Solid waste dumpster is kept closed.
- Facility personnel perform required monthly and quarterly inspections of the facility.
- Facility personnel are trained annually in good housekeeping, pollution prevention, material management, and spill prevention and response.

Notable Issues: None

Building 455
1089th Vessel Support Office Photographs



Photo 455-1. Flammable locker



Photo 455-2. Compressed gas storage (1)



Photo 455-3. Compressed gas storage (2)



Photo 455-4. Aggregate storage

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Facility Inspection Summary

Building Number(s):	460
Facility Name:	Diesel Engine Training Facility
Organization:	United States Army Transportation School (USATSCH)
POC:	Mr. Crum 878-6063
Discharge Receiving System(s):	Outfall 007/Skiffes Creek Outfall 009/Bailey Creek
Inspectors:	Scott Moler
Date/Time:	4 Dec 2019/1400
Weather:	Sunny, 44°F

Facility Activities

Building 460 is the Third Port USATSCH training facility for diesel engines and outboard motors. All engine training is conducted inside the building. The northeast side of the facility consists of a training shop for outboard motors. The floor drains in the building are covered, and the covers have been tack welded along the perimeter. During a project (circa June 2013) to remove an unnecessary oil/water separator (OWS) connected to the floor drains, the drain lines were reconnected to the sanitary sewer system.

Inventory of Materials Potentially Exposed to Stormwater²⁰

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
AST containing used oil (460-4)	Used oil	1,000 gallons	AST	Double-walled tank
AST containing diesel fuel (460-5)	Diesel fuel	2,000 gallons	AST	Double-walled tank
Uncovered metal recycling bin	Metals	Varies	Dumpster	None, not required
Cooling tower and associated reservoir located on the east side of the building	Cooling tower blowdown ^b	3,516 gpd	Cooling tower reservoir	None, not required

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

^b The cooling tower does not have a regular blowdown; however, any overflow or drainage for maintenance would flow to the storm sewer.

²⁰ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

Outdoor Material Storage

- | | | | |
|---|--|---|---|
| <input checked="" type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Equipment Storage | <input checked="" type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Cans/Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage Other: <u>engine block, CONEX boxes</u> | | | |

Comments: A CONEX box at the south end of the building was in poor condition. Large chunks of rusted metal were flaking off the box onto the ground.

HM/HW/POL Storage

- | | | | |
|--|--|---|--|
| <input checked="" type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input checked="" type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input checked="" type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input checked="" type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input checked="" type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input checked="" type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input checked="" type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input checked="" type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments:

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff including any spills occurring east of Building 460 will flow to nearby storm drains and ultimately flow to Bailey Creek.
- Stormwater runoff including any spills occurring west of Building 460 will flow north along the street into drainage swales and ultimately flow to Skiffes Creek.
- Cooling tower discharge flows south to a storm drain, approximately 60 feet away and ultimately into Bailey Creek.
- The facility is located in drainage basins 007 and 009.

Current BMPs

- All engine training is conducted indoors at the facility.
- Secondary containment for Tanks 460-4 and 460-5 is provided by double-walled tanks.
- Used oil and diesel fuel ASTs are secured to control access.
- Shop floor drains are covered.
- Spill kits and drip pans are maintained at the facility.
- All maintenance activities are performed indoors.
- Solid waste dumpster is kept closed.
- Facility personnel perform required monthly and quarterly inspections of the facility.
- Facility personnel are trained annually in good housekeeping, pollution prevention, material management, and spill prevention and response.

Notable Issues:

BLDG 460:

- Scrap material is exposed to stormwater. (This finding was also noted during a previous inspection.)
- Roll-off dumpster is not covered. (This finding was also noted during a previous inspection.)

Building 460
Diesel Engine Training Facility Photographs²¹



Photo 460-1. Equipment



Photo 460-2. Material storage



Photo 460-3. Engine storage



Photo 460-4. Metal recycling bin



Photo 460-5. Hazardous material storage

²¹ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

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Facility Inspection Summary

Building Number(s): 587
Facility Name: Heat Plant
Organization: Alutiiq Commercial Enterprises
POC: Mr. Pizzo 314-7808
Discharge Receiving System(s): Outfall 068/Warwick River
Inspectors: Scott Moler
Date/Time: 26 Nov 2019/1355
Weather: 44°F/Sunny

Facility Activities

Building 587 is the Heat Plant that serves McDonald Army Health Center. Boilers in the heat plant operate on natural gas, but also have the ability to utilize the fuel oil system if needed. There is a diesel AST and two 20,000-gallon underground storage tanks (USTs) containing fuel oil located southwest of the building. The fuel oil USTs are equipped with an overfill alarm. All activities occur indoors except for fuel transfer.

Inventory of Materials Potentially Exposed to Stormwater²²

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
AST containing diesel fuel (587-1)	Diesel fuel	500 gallons	AST	Double-walled tank
Material storage including, but not limited to, scrap wood	Varies	Varies	Not applicable	None; not required

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

Outdoor Material Storage

- | | | | |
|---|--|--|--|
| <input type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Equipment Storage | <input checked="" type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Tire Storage | <input type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Cans/Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input checked="" type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input type="checkbox"/> Recycling Container | <input type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input type="checkbox"/> Other: _____ | | |

Comments:

²² Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

HM/HW/POL Storage

- | | | | |
|---|--|---|--|
| <input type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input checked="" type="checkbox"/> Compressed Gas | <input checked="" type="checkbox"/> Waste | <input checked="" type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input checked="" type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments:

No HM/HW/POL Storage

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff and any spills occurring south and east of Building 587, will flow southeast to a nearby drainage swale ultimately flowing to the Warwick River.
- Stormwater runoff and any spills occurring north and west of Building 587, will flow north to nearby storm drains ultimately flowing to the Warwick River.
- The facility is located in drainage basin 068.

Current BMPs

- Overfill alarms installed on USTs.
- An emergency shut off button is present for the Heat Plant.
- Facility personnel perform required monthly and quarterly inspections of the facility.
- Facility personnel are trained annually in good housekeeping, pollution prevention, material management, and spill prevention and response.

Notable Issues:

Building 587

- Sediment entering storm drain inlet.

**Building 587
Heat Plant Photographs²³**



Photo 587-1. Diesel AST (587-1)



Photo 587-2. Fire water tank and UST area



Photo 587-3. Heat plant piping



Photo 587-4. Sediment build up

²³ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

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Facility Inspection Summary

Building Number(s): 648
Facility Name: Fire Department/Security Forces
Organization: 733d Security Forces Squadron
POC: Mr. Washington 878-2020
Discharge Receiving System(s): Outfall 077/Eustis Lake
Inspectors: Scott Moler
Date/Time: 18 Dec 2019/1338
Weather: 45°F, Sunny

Facility Activities

Building 648 houses the Fire Department and Security Forces. The portion of the facility dedicated to the Fire Department includes administrative offices and a large vehicle apparatus bay where fire trucks and equipment are stored and maintenance is conducted. Only minor maintenance is conducted in the maintenance bay area at this facility. The spill response team is also located in this portion of the building. A spill response trailer equipped with spill kits is stored in the building. The wash bay floor drains flow to OWS-648 before discharging to the sanitary sewer system. The portion of the facility dedicated to Security Forces is administrative offices only.

Inventory of Materials Potentially Exposed to Stormwater²⁴

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
AST associated with the emergency diesel generator (EDG) for Building 648	Diesel fuel	600 gallons	AST	Double-walled tank

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

Outdoor Material Storage

- | | | | |
|--|--|---|---|
| <input type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Equipment Storage | <input type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Cans/Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input type="checkbox"/> Other: _____ | | |

Comments:

²⁴ 1 Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

HM/HW/POL Storage

- | | | | |
|--|--|--|--|
| <input checked="" type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input checked="" type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input checked="" type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments:

Description of Stormwater Entry Points and Ultimate Outfall Point

- Spills occurring inside the vehicle apparatus bay area of the facility will flow to an OWS connected to the sanitary sewer system.
- Stormwater runoff including any spills occurring around the perimeter of the facility will flow to various Stormwater inlets located around the building and ultimately discharge to Eustis Lake.
- The facility is located in drainage basin 077.

Current BMPs

- Minor maintenance with minimal fluid usage and washing activities are conducted indoors.
- Spill kit is maintained inside the facility.
- P2 active measure implementation: HazMat locker, absorbents, and spill pallets.
- Solid waste dumpster is kept closed when not in use.

Notable Issues:

BLDG 648

- Materials stored in secondary containment of flammable locker.

Building 648
Fire Department/Security Forces Photographs²⁵



Photo 648-1. Fire truck maintenance bays



Photo 648-2. EDG for Building 648



Photo 648-3. Solid waste dumpsters



Photo 648-4. Chiller



Photo 648-5. OWS-648 South of building

²⁵ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

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Facility Inspection Summary

Building Number(s):	703 and 704
Facility Name:	Shoppette and Car Wash
Organization:	The Exchange (Shoppette)
POC:	Ms. Glaum 369-3780
Discharge Receiving System(s):	Outfall 084/Bailey Creek
Inspectors:	Scott Moler
Date/Time:	14 Nov 2019/0930
Weather:	44°F, Cloudy

Facility Activities

Buildings 703 and 704 are The Exchange, (Shoppette), including a privately-owned vehicle (POV) gas station and automatic car wash (Building 703). The Shoppette is open Monday through Friday from 0500 to 2400 as well as Saturday and Sunday from 0700 to 2400. The fueling portion of the facility is equipped with 20 self-service fuel pumps with regular, mid-grade, and super unleaded gasoline. Three 12,000-gallon UST are equipped with an indoor/outdoor alarm system and emergency shutoff. Personnel indicated that they check the UST level three times each day. The POV car wash is located behind the Shoppette and has two vacuum stations.

Inventory of Materials Potentially Exposed to Stormwater²⁶

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Equipment and material storage including, but not limited to, an ice chest, a Redbox machine, and propane tanks	Varies	Varies	Not applicable	None; not required
Assorted wood storage including, but not limited to, pallets	Wood	Varies	Not applicable	None; not required

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

Outdoor Material Storage

- | | | | |
|---|--|---|---|
| <input type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Equipment Storage | <input type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Cans/Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input checked="" type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input type="checkbox"/> Other: _____ | | |

Comments:

²⁶ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

HM/HW/POL Storage

- | | | | |
|--|--|--|---|
| <input checked="" type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input checked="" type="checkbox"/> Compressed Gas | <input checked="" type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments:

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff and any spills occurring in front of the Shoppette, but not under the fueling station canopy, will flow away from the building to nearby swales and ultimately flow into Bailey Creek.
- Stormwater runoff and any spills occurring behind the Shoppette, will flow south to nearby storm drains and ultimately into Bailey Creek.
- The facility is located in drainage basin 084.

Current BMPs

- Spill kits are maintained at the facility.
- P2 BMP implementation: Clam-shell unit.
- Fueling operations are conducted under the canopy with pavement sloped to prevent run-on.
- Vehicle wash water goes to an OWS that discharges to the sanitary sewer system.
- Bulk fuel ports for fuel offloading at the USTs are secured to restrict access.
- Fuel transfer is performed manually.
- Fuel levels are checked prior to receiving fuel and three times a day to prevent overflows.
- High level alarms on USTs.
- Emergency shutoffs for manual pumps are located inside and outside of the facility.
- The hazardous waste satellite accumulation site (SAS) clamshell is locked to restrict access.

Notable Issues:**BLDG 703**

- Severe erosion and wash out noted. (This finding was also noted during a previous inspection.)
- Curb drain restricted with sediment. (This finding was also noted during a previous inspection.)
- Trash collecting on ground and entering stormwater conveyance. (This finding was also noted during a previous inspection.)
- Storm water BMP needs to be maintained.

BLDG 704

- Concrete pad near fuel pumps contain stains.

Buildings 703 and 704
The Exchange Shoppette and Car Wash Photographs²⁷



Photo 703-1. Automatic car wash area



Photo 703-2. Debris in curb cut



Photo 703-3. Erosion/wash out



Photo 704-1. Fuel USTs



Photo 704-2. POV fueling station



Photo 704-3. Waste container

²⁷ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

Buildings 703 and 704
The Exchange Shoppette and Car Wash Photographs²⁸



Photo 704-4. Emergency shut off for pumps



Photo 704-5. Propane tank storage



Photo 704-6. Fuel stained area



704-7. Cardboard stored outside

²⁸ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

Facility Inspection Summary

Building Number(s):	806, 816, 845, 846, and 847
Facility Name:	10th Transportation BN Motor Pool
Organization:	10th Transportation BN
POC:	Specialist Horri 878-2482
	SGT Alexander 878-2482
Discharge Receiving System(s):	Outfall 024/Eustis Lake
Inspectors:	Scott Moler
Date/Time:	25 Nov 2019/0936
Weather:	Sunny 47°F

Facility Activities

Buildings 806, 816, 845, 846, and 847 are part of the 10th Transportation BN Motor Pool. All maintenance on transportation equipment belonging to the 10th Transportation BN is performed at these facilities. The Motor Pool area is used to store and maintain equipment and GOVs. Facility personnel use multiple parking locations for equipment and GOVs. Materials stored in the storage yard include, but are not limited to, mobile generators, forklifts, mobile water tanks, and miscellaneous heavy equipment.

Building 806 consists of administrative offices and four maintenance bays that are used for service and repair of transportation equipment and GOVs. All maintenance is performed indoors. There are no floor drains in this facility.

Building 816 contains administrative offices and four maintenance bays that are used for service and repair of transportation equipment and GOVs. All maintenance is performed indoors. No floor drains are located in this facility. An abandoned wash rack is located on the south side of Building 816. The outdoor, uncovered, area is used for equipment and CONEX storage. All drains at the former wash rack are connected to the stormwater drainage system. There are no potable water sources at this wash rack.

Building 845 has three large maintenance bays that are used for service and repairs of GOVs. All maintenance is performed indoors. POL and other liquid hazardous substances are stored inside Building 845 on secondary containment pallets. There are no floor drains in this facility.

Buildings 846 and 847 are used for dry storage.

Inventory of Materials Potentially Exposed to Stormwater²⁹

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
AST containing heating oil located at Building 816 (816-2)	Heating oil	500 gallons	AST	Double-walled tank
AST containing used oil located near Building 806	Used oil	264 gallons	AST	Double-walled tank

²⁹ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Equipment storage including but not limited to, mobile generators, fork lifts, and miscellaneous heavy equipment	Diesel fuel and hydraulic fluid	Varies	Not applicable	Active, drip pans and absorbents, not required
Miscellaneous equipment storage including but not limited to, tires, fuel tanks, and metal storage shelving	Varies	Varies	Not applicable	None, not required
Uncovered scrap metal and wood dumpsters	Metals and wood	Varies	Dumpster	None, not required

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

Outdoor Material Storage

- | | | | |
|---|---|---|--|
| <input checked="" type="checkbox"/> Vehicle Storage | <input checked="" type="checkbox"/> Equipment Storage | <input checked="" type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input checked="" type="checkbox"/> Tire Storage | <input type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Cans/Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input checked="" type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input type="checkbox"/> Other: _____ | | |

Comments:

HM/HW/POL Storage

- | | | | |
|--|--|--|--|
| <input checked="" type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input checked="" type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input checked="" type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input checked="" type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input checked="" type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint and Paint Waste | <input checked="" type="checkbox"/> AST – Fuel Oil |
| <input checked="" type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments:

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff and any spills occurring around Buildings 806, 816, 845, 846, and 847 will flow to nearby stormwater inlets and ultimately into Eustis Lake.
- The facility is located in drainage basin 024.

Current BMPs

- All maintenance activities are performed indoors.
- Mobile generators are stored under covered areas at the facility.
- For Buildings 806, 816 and 845, spill kits are stored in the maintenance area.
- Drip pans are placed under GOVs parked outside.
- Liquid oil and hazardous substance drums are stored indoors on spill containment pallets in Building 845.

- Facility personnel perform required monthly and quarterly inspections of the facility, including inspections of the drip pans under vehicles/equipment after rain events.
- The used oil AST is secured to control access.
- Facility personnel are trained annually in good housekeeping, pollution prevention, material management, and spill prevention and response.

Notable Issues:

BLDG 845

- 55-gallon drums of oil not stored in secondary containment.

BLDG 846

- Sediment build up on pavement.

**Buildings 806, 816, 845, 846, and 847
10th Transportation Motor Pool Photographs³⁰**



Photo 806-1. Materials stored on secondary containment



Photo 806-2. Used oil AST



Photo 806-3. Secondary storage



Photo 816-1. Heating oil AST



Photo 816-2. Equipment storage



Photo 816-3. Drip pans for under vehicles

³⁰ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

Buildings 806, 816, 845, 846, and 847
10th Transportation Motor Pool Photographs³⁰



Photo 845-1. Drums of oil not stored on secondary containment



Photo 845-2. Oil dispensing system



Photo 846-1. Equipment storage



Photo 847-1. Equipment storage



Photo 847-1. Sediment build up



Photo 847-2. Equipment storage

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Facility Inspection Summary

Building Number(s):	821 and 836
Facility Name:	10th Transportation BN Motor Pool
Organization:	10th Transportation BN
POC:	SGT Howell 878-0724
Discharge Receiving System(s):	Outfall 024, 025, and 026/Eustis Lake
Inspectors:	Scott Moler
Date/Time:	25 Nov 2019/0936
Weather:	54°F, Cloudy

Facility Activities

Buildings 821 and 836 are part of the 10th Transportation BN Motor Pool. All maintenance on transportation equipment belonging to the 10th Transportation BN is performed at these facilities. A fence surrounding the compound is used to store and maintain equipment and GOVs. POL and other liquid hazardous substance drums are stored both inside and outside Building 836 on secondary containment pallets. Facility personnel use multiple parking locations for equipment and GOVs. Materials stored in the storage yard include, but are not limited to, mobile generators, forklifts, mobile water tanks, and miscellaneous heavy equipment.

Inventory of Materials Potentially Exposed to Stormwater³¹

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
AST containing used oil located on the north side of Building 836 (836-4)	Used oil	500 gallons	AST	Double-walled tank
Six mobile ASTs containing JET A located on a truck and associated trailer, parked on a drive-on secondary containment	Fuel	Up to ~ 1,800 gallons	AST	Drive-on containment
Transportation equipment storage including but not limited to, GOVs, mobile generators, and fork lifts	Diesel fuel and hydraulic fluid	Varies	Not applicable	None, not required
Scrap metal and wood dumpsters uncovered	Metals and wood	Varies	Dumpster	None, not required

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

³¹ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

Outdoor Material Storage

- | | | | |
|---|---|--|---|
| <input checked="" type="checkbox"/> Vehicle Storage | <input checked="" type="checkbox"/> Equipment Storage | <input checked="" type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input checked="" type="checkbox"/> Empty Cans/Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input checked="" type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input type="checkbox"/> Other: _____ | | |

Comments:

HM/HW/POL Storage

- | | | | |
|--|--|--|--|
| <input checked="" type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input checked="" type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input checked="" type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input checked="" type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input checked="" type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input checked="" type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments:

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff including any spills occurring at the used oil AST will flow east and south to a nearby stormwater inlet and eventually discharge to Eustis Lake.
- Stormwater runoff including any spills occurring around Buildings 821 and 836 will flow to nearby stormwater inlets and ultimately flow to Eustis Lake.
- The facility is located in drainage basin 024 and 025.

Current BMPs

- Spill kits are located inside Building 836.
- Liquid oil and hazardous substance drums are stored indoors on spill containment pallets in Building 836.
- Maintenance activities are conducted indoors, only minor maintenance is conducted outdoors (no HazMat involved).
- Drip pans are placed under GOVs stored outdoors at this facility.
- Facility personnel perform required monthly and quarterly inspections of the facility, including inspections of the drip pans under vehicles/equipment after rain events.
- Pop-up secondary containment berms are provided for mobile generators stored on site.
- All interior floor drains are connected to the sanitary sewer system.
- Secondary containment for used oil AST provided by a double-walled tank.
- Facility personnel are trained annually in good housekeeping, pollution prevention, material management, and spill prevention and response.

Notable Issues:

BLDG 836

- Secondary containment contains POL material spilled inside. (This finding was also noted during a previous inspection.)

- 50 55-gallon drums of POL were not stored on spill pallets. (This finding was also noted during a previous inspection.)
- Drive-on secondary container accumulating stormwater.
- Oil spilled on the floor in waste area.
- Collapsible secondary containment collecting storm water.

Buildings 821 and 836
10th Transportation BN Motor Pool Photos³²



Photo 836-1. Material/waste storage



Photo 836-2. Hazardous material storage (1) on mobile spill pallets



Photo 836-3. Used oil tank



Photo 836-4. ~50 55-Gallon drums of POL



Photo 836-5. Secondary containment with storm water



Photo 836-6. Collapsed secondary containment under mobile fuel tank

³² Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

Buildings 821 and 836
10th Transportation BN Motor Pool Photos³²



Photo 836-7. Equipment storage



Photo 836-8. Hazardous material storage (2)

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Facility Inspection Summary

Building Number(s): 851
Facility Name: 7th Brigade Wash Rack
Organization: 7th Brigade
POC: Captain Heath 878-0243
Discharge Receiving System(s): Outfall 105/Eustis Lake
Inspectors: Scott Moler
Date/Time: 25 Nov 2019/1000
Weather: Sunny, 47°F

Facility Activities

Building 851 is a former GOV wash rack. The wash rack drains to an OWS (OWS 851), which is connected to the sanitary sewer. The system is equipped with an automatic diversion valve, which routes flow to the stormwater drainage system when the wash rack is not in use.

Inventory of Materials Potentially Exposed to Stormwater³³

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Cardboard recycling dumpster	Cardboard	Varies	Dumpster	None, not required
Miscellaneous wood (pallets) storage	Wood	Varies	Not applicable	None; not required

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

Outdoor Material Storage

- | | | | |
|---|--|---|---|
| <input type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Equipment Storage | <input type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Cans/Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input checked="" type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input type="checkbox"/> Other: _____ | | |

Comments:

³³ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

HM/HW/POL Storage

- | | | | |
|---|--|--|---|
| <input type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments:

No HM/HW/POL storage outside

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff from the perimeter of the facility will flow to various stormwater inlets located around the building and ultimately discharge to Eustis Lake.
- The facility is located in drainage basin 105.

Current BMPs

- Solid waste dumpster is kept closed.

Notable Issues: None

**Building 851
Former Wash Rack Photographs³⁴**



**Photo 851-1. Solid waste
and cardboard recycling dumpsters**



Photo 851-2. Wash rack area

³⁴ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

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Facility Inspection Summary

Building Number(s):	886, 887, 888, and 889
Facility Name:	Tactical Equipment Maintenance Facility
Organization:	53rd and 11th Transportation BN
POC:	Robert Eshleman 915-216-6059
Discharge Receiving System(s):	Outfall 101/Bailey Creek
Inspectors:	Scott Moler and Jonathon Colmer
Date/Time:	22 Nov 2019/0900
Weather:	44°F, Sunny

Facility Activities

Buildings 886, 887, 888, and 889 make up the 53rd and 11th Transportation BN Motor Pool. All maintenance on transportation equipment belonging to the 53rd and 11th Transportation BN and is performed in Building 886. Building 887 is used to store various equipment supporting the unit. Building 889 is a flammable materials storage building and is used to store all the hazardous materials that are issued out to users. Collected wastes, including hazardous waste, are stored in Building 888.

A fence surrounding the compound is used to store and maintain equipment and GOVs. Facility personnel use multiple parking locations for equipment and GOVs. Materials stored in the storage yard include, but are not limited to, mobile generators, forklifts, mobile water tanks, and miscellaneous heavy equipment. Two 20-yard roll-offs are located just in side of the main entrance gate. One roll-off is used to collect scrap metal and the other is used to collect scrap wood; neither are covered. Mobile fuel tanks are stored on drive-on secondary spill containment units in the northwest side of the GOV parking area. An OWS (OWS-886) is located on the north side of Building 886.

Inventory of Materials Potentially Exposed to Stormwater³⁵

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
ASTs containing used oil located on the west side of Building 886	Used oil	2 x 500 gallons	AST	Double-walled tank
Six mobile ASTs containing JET A located on a truck and associated trailer, parked on a drive-on containment	Fuel	Up to ~ 1,800 gallons	AST	Drive-on containment
Transportation equipment storage including but not limited to, GOVs, mobile generators, and fork lifts	Diesel fuel and hydraulic fluid	Varies	Not applicable	None, not required
Scrap metal and wood dumpsters uncovered	Metals and wood	Varies	Dumpster	None, not required

³⁵ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Hazardous Material	POLs, Paints	Varies	Flammable building	In floor

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

Outdoor Material Storage

- | | | | |
|---|---|---|---|
| <input checked="" type="checkbox"/> Vehicle Storage | <input checked="" type="checkbox"/> Equipment Storage | <input checked="" type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Cans/Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input checked="" type="checkbox"/> Wood/Lumber | <input checked="" type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input type="checkbox"/> Other: <u>CONEX boxes</u> | | |

Comments:

HM/HW/POL Storage

- | | | | |
|--|--|--|--|
| <input checked="" type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input checked="" type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input checked="" type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input checked="" type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input checked="" type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input checked="" type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input checked="" type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input checked="" type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments:

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff including any spills occurring around the buildings will flow to nearby stormwater drains and ultimately flow to Bailey Creek.
- The facility is located in drainage basin 101.

Current BMPs

- A spill kit is maintained in Building 886 and additional spill kits are located throughout the GOV parking area.
- Drip pans are placed under GOVs stored outdoors.
- Facility personnel perform required monthly and quarterly inspections of the facility.
- P2 BMP Implementation: Drip pans, HazMat locker, and spill pallets.
- All maintenance activities are conducted indoors.
- Solid waste dumpster is kept closed.

Notable Issues:

BLDG 886

- Vehicle/equipment secondary containment systems collect water and appear to contain a sheen. Containment appears to be leaking.
- Units are not placing drip pans under vehicles.
- Spill kits were not stocked correctly. Several spill kits contained either trash or HazMat.
- Secondary containment units are missing drain plugs and the holes are stuffed with rags, releasing potentially contaminated Stormwater.
- Pavement around scrap metal roll-off is stained.
- Roll off containers containing scrap metal and scrap wood are not covered and accumulating storm water.

BLDG 888

- POL material spilled and collecting in secondary containment. (Identified same finding on 2018 CSCE.)

**Buildings 886, 887, 888, and 889
Tactical Equipment Maintenance Facility³⁶**



Photo 886-1. Mobile fuel tank secondary containment



Photo 886-2. ASTs



Photo 886-3. Equipment storage



Photo 886-4. Vehicle storage

³⁶ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

Buildings 886, 887, 888, and 889
Tactical Equipment Maintenance Facility³⁶



Photo 886-5. Improperly stocked spill kit



Photo 888-1. Storm water inlet contains sediment



Photo 888-2. Equipment storage secondary containment missing drain plugs

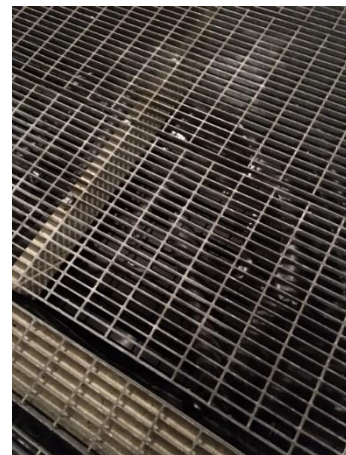


Photo 889-1. Materials spilled in secondary containment

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Facility Inspection Summary

Building Number(s):	1035 and 1036
Facility Name:	JBLE–Eustis U.S. Army Reserve Center Organizational Maintenance Shop
Organization:	5159 Aviation; 302 Transportation; 88th Military Police; 338th Port Security
POC:	CW2 Owens 878-3313
Discharge Receiving System(s):	Outfall 108/Eustis Lake
Inspectors:	Scott Moler
Date/Time:	12 Dec 2019/1430
Weather:	Sunny 41 °F

Facility Activities

Buildings 1035 and 1036 are occupied by the U.S. Army Reserve Center Organizational Maintenance Shop. Building 1035 is the Refueler Maintenance Facility. Maintenance on refueler trucks are performed at this facility and performed inside. Drums (55-gallons in capacity) and lube cubes are typically stored inside the facility. Vehicle washing occurs at a designated outdoor uncovered wash rack located to the west of the facility. Wash water is directed to OWS-1034B, which discharges to the sanitary sewer system.

A fiberglass, drive over, secondary containment berm, is located just north of Building 1036. The bermed area is used to store a refueler truck which holds more than 300 gallons of fuel (e.g., diesel). This berm is currently in use but is missing drain plugs. Two hazardous materials storage units are equipped with drop floors and are kept locked to restrict access. A portable battery room is also located at the facility.

The refueler parking area, located west of Building 1035, is used to store and maintain equipment and GOVs, and is surrounded by security fence around the perimeter of the compound. Materials stored within the perimeter fence include, but are not limited to, refueler trucks, mobile generators, forklifts, and miscellaneous heavy equipment. There are currently 23 refueler trucks being maintained at this facility. Stormwater flow in the refueler parking area drains to catch basins, is pretreated by a Stormceptor®, then discharges to a stormwater OWS (OWS-1034A) prior to discharging to the stormwater drainage system. Refueler trucks are defueled down to approximately 50 to 300 gallons (considered to be “empty”) when stored in order to keep pumps primed. Six portable fuel ASTs are also stored at the facility.

Excess Army Reserve vehicles and equipment are stored in the parking lot on the southwest side of Building 1034. Typically, five “empty” refueling trucks and seven mobile fuel tanks are parked at this location. In addition, 15-20 Conex boxes storing equipment that either are returning from deployment or preparing to deploy are stored at this location.

Building 1036 is used for dry storage of field supplies.

Inventory of Materials Potentially Exposed to Stormwater³⁷

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Heavy equipment storage including but not limited to, mobile generators, fork lifts, and trailers	Diesel fuel, hydraulic fluid, oil	Varies	Not applicable	None; not required
Double-walled AST for the stormwater OWS skimmer ^b	POL	100 gallons (estimate)	AST	Double-walled tank
Refueler truck parking area drains to OWS-1034A, which then flows to the Stormwater system	Diesel fuel, MOGAS, Jet A	Varies	Refueler Trucks	OWS
Uncovered cardboard recycling bin	Cardboard	Varies	Recycling bin	None; not required

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

^b The oil skimmer previously associated with OWS-1034A has been removed, and the AST is no longer in service.

MOGAS – Gasoline

POL – Petroleum, oils, and lubricants

Outdoor Material Storage

- | | | | |
|---|---|--|---|
| <input checked="" type="checkbox"/> Vehicle Storage | <input checked="" type="checkbox"/> Equipment Storage | <input checked="" type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input checked="" type="checkbox"/> Empty Cans/Drums/Tanks | <input checked="" type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input type="checkbox"/> Other: _____ | | |

Comments:

HM/HW/POL Storage

- | | | | |
|--|---|--|--|
| <input checked="" type="checkbox"/> Flammables in Cabinets | <input checked="" type="checkbox"/> Flammables in Drums | <input checked="" type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input checked="" type="checkbox"/> Mobile Tank – Fuel | <input type="checkbox"/> Compressed Gas | <input checked="" type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input checked="" type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input checked="" type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input checked="" type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments:

³⁷ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff and any spills occurring in the refueler parking area would flow to stormwater catch basins that flow to OWS-1034A, located just south of the parking area.
- Wash water from washing activities at the wash rack flow to OWS-1034B, via a sand interceptor (SI), SI-1034. The wash rack system is equipped with an automatic stormwater diversion system that is installed upstream of the SI. When the wash rack is not in use, flow is directed to the stormwater drainage system via OWS-1034A, which discharges to Eustis Lake.
- The facility is located in drainage basin 108.

Current BMPs

- Spill kits are located inside the facility.
- P2 BMP Implementation: Absorbents, drip pans, HazMat locker, and spill pallets.
- Maintenance activities are conducted indoors.
- GOVs parked outdoors use drip pans.
- Facility personnel perform required monthly and quarterly inspections of the facility.
- Drip pans are checked for sheen before emptying.
- Solid waste dumpster is kept closed.
- The wash rack is equipped with an automatic diversion valve.
- Runoff from GOV parking is pretreated by a Stormceptor® and OWS-1034A prior to discharge.

Notable Issues:

BLDG 1035

- Drip pans are positioned upside down beneath vehicles. (This finding was also noted during a previous inspection.)
- Vehicle secondary containment missing plugs. (This finding was also noted during a previous inspection.)
- Hazardous materials stored in flammable lockers' secondary containment. (This finding was also noted during a previous inspection.)
- Used oil container lid not secure. (This finding was also noted during a previous inspection.)
- Secondary containment pallet located in IAP contains spilled material. (This finding was also noted during a previous inspection.)

BLDG 1036

- Equipment and trash located outside exposed to storm water.

Buildings 1035 and 1036
JBLE-Eustis U.S. Army Reserve Center Organizational Maintenance Shop Photographs³⁸



Photo 1035-1. Open containers



Photo 1035-2. Hazardous material storage (1)



Photo 1035-3. Secondary containment drain plug missing



Photo 1035-4. Hazardous material storage (2)



Photo 1035-5. Hazardous material bulk storage



Photo 1035-6. Drip pans under vehicle not being used

³⁸ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

Buildings 1035 and 1036
JBLE-Eustis U.S. Army Reserve Center Organizational Maintenance Shop Photographs³⁸



Photo 1035-7. Drip pan full of oil



Photo 1035-8. Equipment spill kits



Photo 1036-1. Equipment and trash stored outside

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Facility Inspection Summary

Building Number(s):	1205
Facility Name:	Hazardous Materials Pharmacy (HazMart)
Organization:	Logistics Readiness Division
POC:	Ms. McDowell 878-2781
Discharge Receiving System(s):	Outfall 035/Eustis Lake
Inspectors:	Scott Moler
Date/Time:	25 Nov 2019/1130
Weather:	Sunny 48°F

Facility Activities

Building 1205 serves as the HazMart for JBLE-Eustis. The HazMart currently orders hazardous materials (HazMat) on an as-needed basis and stores them overnight if required. Long-term storage is not performed. The HazMat is brought to the building for inventory/bar coding, then distributed to various facilities on base. The facility includes empty barrels that can be picked up for waste collection and spill pallets for storing any HazMats that are received.

All floor drains are plugged. Mop wash water is discharged to the sanitary sewer system via a utility sink. The sink is equipped with a grease trap.

Nine empty HazMat storage buildings are located outside waiting to be transferred to other facilities where they can be used to store hazmat. A loading/unloading area is located on the south side of the building where materials are transferred to and from the facility. Drivers use chocks to stabilize their vehicles during loading and unloading activities.

Inventory of Materials Potentially Exposed to Stormwater³⁹

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Equipment storage including, but not limited to, a forklift	Diesel fuel, hydraulic fluid, or oil	Varies	Not applicable	None; not required

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

Outdoor Material Storage

- | | | | |
|---|---|--|---|
| <input checked="" type="checkbox"/> Vehicle Storage | <input checked="" type="checkbox"/> Equipment Storage | <input type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input checked="" type="checkbox"/> Empty Cans/Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input checked="" type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input checked="" type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input type="checkbox"/> Other: _____ | | |

³⁹ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

Comments:

HM/HW/POL Storage

- | | | | |
|--|---|--|---|
| <input checked="" type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input checked="" type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input checked="" type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input checked="" type="checkbox"/> Solvents and Cleaning | <input checked="" type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input checked="" type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input checked="" type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments:

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff and any spills occurring south of Building 1205, will flow to nearby storm drains and ultimately flow to Eustis Lake.
- Stormwater runoff, including any spill occurring north of Building 1205, will flow north through the woods and infiltrate into the ground or flow to Eustis Lake.
- The facility is located in drainage basin 035.

Current BMPs

- The amount of material stored on site is limited by ordering material on an as-needed basis.
- Spill kits are maintained at the facility.
- Facility personnel perform required monthly and quarterly inspections of the facility.
- P2 BMP Implementation: HazMat locker and spill pallets.
- Floor drains in the building are plugged.
- Solid waste dumpster is kept closed.

Notable Issues:

BLDG 1205

- Leaf litter and debris entering storm drain inlet. (Identified on previous stormwater CSCE inspection.)

**Building 1205
HAZMART Photographs⁴⁰**



Photo 1205-1. Empty drum storage



Photo 1205-2. Fork lift storage



**Photo 1205-3. Leaf litter debris entering storm drain
(1)**



**Photo 1205-4. Leaf litter debris entering storm drain
drain (2)**

⁴⁰ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

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Facility Inspection Summary

Building Number(s):	1206, 1209, and 1210
Facility Name:	Civil Engineer Division (CED) Solid Waste and Recycling Center
Organization:	ONOPA (Contractor)
POC:	Mr. Wilks 878-4232
Discharge Receiving System(s):	Outfalls 109 and 110/Eustis Lake
Inspectors:	Scott Moler
Date/Time:	20 Dec 2019/1122
Weather:	42°F, Sunny

Facility Activities

Buildings 1206, 1209, and 1210 make up the Solid Waste Recycling Center on post. ONOPA is the contractor that currently runs the recycling facility.

Building 1206 is a permanently covered area located northeast of Building 1209. ONOPA stores a variety of material and equipment under the covered area. One AST containing diesel fuel with a secondary containment dike is located south of the building.

Building 1209 is used as a processing center for recyclables arriving on site. Recyclable materials include, but are not limited to, used oil, aluminum cans, cardboard, paper, CD/DVDs, office furniture, office equipment/electronics, leaves, scrap metals, etc. Two off-spec fuel tanks are located east of Building 1209 under a covered area with a concrete berm.

Building 1210 is a warehouse where ONOPA stores miscellaneous recycling equipment, recycling storage containers, and materials.

Inventory of Materials Potentially Exposed to Stormwater⁴¹

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Two 500-gallon double-walled ASTs under cover (1209-2 and 1209-3)	Off-spec fuel	1,000 gallons	AST	Double-walled tank
350-gallon single-walled AST (1209-1)	Diesel fuel	350 gallons	AST	Containment dike
Recycling materials and equipment including, but not limited to, recycling bins and refuse dumpsters	Varies	Varies	Not applicable	None; not required
Heavy equipment including, but not limited to, front end loaders and garbage/recycling trucks	Diesel fuel, hydraulic fluid, and/or oil, accumulated stormwater	Varies	Not applicable	None; not required

⁴¹ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

2019 COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
JBLE - EUSTIS

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Uncovered cardboard recycling bin	Cardboard	Varies	Dumpster	None; not required
Uncovered solid waste dumpster	Accumulated stormwater	Varies	Dumpster	None; not required
Uncovered metal recycling bin	Cutting oil	Varies	Dumpster	None; not required
Miscellaneous construction debris including, but not limited to, concrete	Concrete	Varies	Not applicable	None; not required
Miscellaneous office furniture including, but not limited to, cabinets and shelving	Varies	Varies	Not applicable	None; not required
Miscellaneous material including, but not limited to, mulch, tires, brick/block, sand/soil, and wooden pallets	Varies	Varies	Not applicable	None; not required

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

Outdoor Material Storage

- | | | | |
|---|---|--|---|
| <input checked="" type="checkbox"/> Vehicle Storage | <input checked="" type="checkbox"/> Equipment Storage | <input checked="" type="checkbox"/> Misc. Metals | <input checked="" type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input checked="" type="checkbox"/> Empty Cans/Drums/Tanks | <input checked="" type="checkbox"/> Aggregate Storage |
| <input checked="" type="checkbox"/> Wood/Lumber | <input checked="" type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input checked="" type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input type="checkbox"/> Other: _____ | | |

HM/HW/POL Storage

- | | | | |
|--|--|--|--|
| <input type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input checked="" type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input checked="" type="checkbox"/> Waste | <input checked="" type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input checked="" type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input checked="" type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input checked="" type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input checked="" type="checkbox"/> Other: <u>AST containing off-spec fuel</u> | |

Comments:

Description of Stormwater Entry Points and Ultimate Outfall Point

- A release from the AST secondary containment dike for Tank 1209-1 would flow north, discharging directly to Eustis Lake.
- Stormwater runoff and any spills within the fencing of the compound would flow north directly to Eustis Lake.
- The facility is located in drainage basins 109 and 110.

Current BMPs

- Spill kit maintained in the facility.
- P2 BMP Implementation: Absorbents, HazMat locker, and spill pallets.
- Some solid waste dumpsters are kept closed.
- Mulch and miscellaneous office equipment are stored with a concrete berm.
- Off-spec fuel is stored under a covered area within a concrete berm.
- The refueling nozzle on Tank 1209-1 is locked to restrict access.
- Secondary containment for Tank 1209-1 is provided by a dike.

Notable Issues:

BLDG 1206

- Drain plug for the AST secondary containment is missing. (This finding was also noted during a previous inspection.)

BLDG 1209

- Roll-off containers not covered; contents exposed to stormwater. (This finding was also noted during a previous inspection.)
- Trash debris collecting on the ground, which could potentially discharge to Eustis Lake.
- Materials stored in flammable locker's secondary containment.
- Materials spilled in the bottom of secondary containment.
- Hazardous material not stored properly. (This finding was also noted during a previous inspection.)

BLDG 1210

- Hazardous material not stored properly.

**Buildings 1206, 1209, and 1210
CED Solid Waste and Recycling Center Photographs⁴²**



Photo 1206-1. AST (with missing drain plug)



Photo 1209-2. Roll-off containers



Photo 1209-3. Solid waste dumpster



Photo 1209-4. Off-spec fuel storage



Photo 1209-5. Used oil storage



Photo 1210-1. Spill kit in Building 1210

⁴² Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

**Buildings 1206, 1209, and 1210
CED Solid Waste and Recycling Center Photographs⁴²**



Photo 1210-2. Recycling containers



Photo 1210-3. Recycled batteries



Photo 1210-3. Hazardous material not stored properly (1)



Photo 1210-4. Hazardous material not stored properly (2)



Photo 1210-5. Contents collected in roll-off exposed to stormwater

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Facility Inspection Summary

Building Number(s):	1207 and 1208
Facility Name:	Hazardous Waste Accumulation Facility
Organization:	Bhate (Contractor)
POC:	Mr. Barnes 878-6473
Discharge Receiving System(s):	Outfall 109/Eustis Lake
Inspectors:	Scott Moler
Date/Time:	20 Dec 2019/1110
Weather:	Sunny 420176

Facility Activities

Buildings 1207 and 1208 make up the Hazardous Waste Accumulation Facility, which is operated under contract by Bhate Environmental Associates. Building 1207 contains administrative offices and Building 1208 is used to store hazardous waste. Hazardous waste from facilities on base are brought to this location and stored for up to 90 days before leaving JBLE–Eustis for final disposition. Facility personnel indicated that hazardous waste is shipped out approximately once every month.

The interior of Building 1208 is sloped and bermed to provide secondary containment for the building. A loading area is located in the front of Building 1208 that is bermed and has a drain connected to the stormwater drainage system. The drain is covered with a mat during all loading and unloading activities. Two ASTs used to store off-spec fuel are located under cover north of Buildings 1207 and 1208.

Inventory of Materials Potentially Exposed to Stormwater⁴³

None

Outdoor Material Storage

<input type="checkbox"/> Vehicle Storage	<input type="checkbox"/> Equipment Storage	<input checked="" type="checkbox"/> Misc. Metals	<input type="checkbox"/> Plastic Rubber
<input type="checkbox"/> Tire Storage	<input checked="" type="checkbox"/> Garbage Dumpster	<input type="checkbox"/> Empty Cans/Drums/Tanks	<input type="checkbox"/> Aggregate Storage
<input type="checkbox"/> Wood/Lumber	<input type="checkbox"/> Construction Material	<input checked="" type="checkbox"/> Recycling Container	<input checked="" type="checkbox"/> Cardboard/Paper
<input type="checkbox"/> Portable Toilet	<input type="checkbox"/> Transformers	<input type="checkbox"/> Fire Suppressant	<input type="checkbox"/> White Goods
<input type="checkbox"/> Munitions Storage	<input type="checkbox"/> Other: _____		

Comments:

HM/HW/POL Storage

<input type="checkbox"/> Flammables in Cabinets	<input type="checkbox"/> Flammables in Drums	<input type="checkbox"/> POL	<input type="checkbox"/> AST - Gasoline
<input type="checkbox"/> Mobile Tank – diesel	<input type="checkbox"/> Compressed Gas	<input type="checkbox"/> Waste	<input type="checkbox"/> AST – Diesel
<input type="checkbox"/> Solvents and Cleaning	<input type="checkbox"/> Corrosives	<input checked="" type="checkbox"/> Batteries	<input type="checkbox"/> AST – Jet A
<input type="checkbox"/> Well Cuttings in Drums	<input type="checkbox"/> Asbestos Waste	<input type="checkbox"/> Dielectric Fluid	<input type="checkbox"/> AST – Used Oil
<input type="checkbox"/> Misc. Liquid in Drums	<input type="checkbox"/> Ethylene Glycol	<input type="checkbox"/> Paint and Paint Waste	<input type="checkbox"/> AST – Fuel Oil
<input type="checkbox"/> Hazmat Lockers	<input type="checkbox"/> Cooking Oil	<input checked="" type="checkbox"/> Other: <u>ASTs (Off-spec fuel)</u>	

Comments:

⁴³ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

HW stored inside Building 1208.

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff and any spills occurring north of Buildings 1207 and 1208 will flow north through the woods and infiltrate into the ground or flow to Eustis Lake.
- Stormwater runoff and any spills occurring south of Buildings 1207 and 1208 will flow to nearby stormwater drains and flow to Eustis Lake.
- The facility is located in drainage basin 109.

Current BMPs

- Spill kits and spill containment pallets are maintained in Building 1208.
- P2 BMP Implementation: Absorbents, HazMat locker, and spill pallets.
- All activities are conducted indoors.
- Building 1208 is self-contained. The floor is sloped to two blind sumps and the walls are bermed.
- The storm drain in the loading area of Building 1208 is covered with a mat during loading and unloading operations.
- Floor wash water, when generated, is containerized and sent out as waste.
- Solid waste dumpster kept closed.

Notable Issues:

None

**Buildings 1207 and 1208
Hazardous Waste Accumulation Facility Photographs⁴⁴**

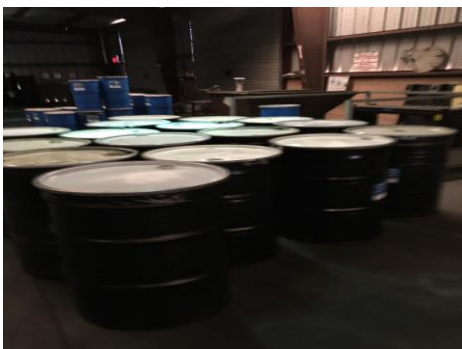


Photo 1208-1. Drum storage (1)



Photo 1208-2. Drum storage (2)



Photo 1208-3. Cardboard recycling bin



Photo 1208-4. Lift station

⁴⁴ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

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Facility Inspection Summary

Building Number(s):	1401, 1403, 1405, 1406, 1407, 1412, 1415, 1421, 1422, 1423, and 1425
Facility Name:	733d Civil Engineer Division (CED) Compound
Organization:	733d CED/Alutiiq Commercial Enterprises
POC:	Mr. Dyke 878-6473 Mr. Ford 878-3201
Discharge Receiving System(s):	Outfall 034 – Eustis Lake/Outfall 046 – Warwick River
Inspectors:	Scott Moler and Jonathon Colmer
Date/Time:	20 Dec 2019/1435
Weather:	42°F, Sunny

Facility Activities

Buildings 1401, 1403, 1405, 1406, 1407, 1412, 1415, 1421, 1422, 1423, and 1425 make up the 733d CED compound. The compound is comprised of 11 buildings, each with their own designated purpose (e.g., locksmith, communications supply, electrician's office, welding shop, heating, ventilation, and air conditioning (HVAC), pesticide storage, appliance shop, and a carpentry shop). The parking areas surrounding the buildings are designated for GOV parking. The materials and equipment stored in this area is constantly changing. The table below provides a brief description of each building located within the 733d CED compound.

Building Number	Facility Use and/or Activities
1401	Alutiiq ladder storage
1403	Heavy equipment storage, and dry storage snow removal salt and sand mixture
1405	Alutiiq locksmith, GMSI Communications supply, and TRADOC warehouse (no floor drains noted during the survey)
1406	Alutiiq electrician office, welding shop, HVAC office, supply warehouse, and used oil drum storage
1407	Main CED administrative offices (The building is equipped with an EDG and an associated 700-gallon diesel sub-base tank.)
1412	Alutiiq flammable gas canister storage
1415	Alutiiq HVAC air filter storage
1421	GMSI storage shed and forklift parking
1422	Alutiiq pesticide storage
1423	Alutiiq dispatch office, small appliance shop, and carpentry shop. (No floor drains noted during the survey. The ice machine frequently discharges to the SW system.)
1425	Alutiiq administrative offices

HVAC – Heating, ventilation, and air condition
TRADOC – Training and Doctrine Command

Inventory of Materials Potentially Exposed to Stormwater⁴⁵

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
13 empty/inactive ASTs located south of Building 1406 along the perimeter of the compound	Diesel fuel, fuel oil, used oil, or Jet A	Varies	AST	Double-walled tank
Sub-base tank associated with EDG for Building 1406	Diesel fuel	330	AST	Double-walled tank
Sub-base tank for mobile generator at Building 1406	Diesel fuel	480	AST	Double-walled tank
Sub-base tank for mobile generator at Building 1406	Diesel fuel	160	AST	Double-walled tank
Sub-base tank for mobile generator at Building 1406	Diesel fuel	160	AST	Double-walled tank
Sub-base tank for mobile generator at Building 1406	Diesel fuel	270	AST	Double-walled tank
Sub-base tank associated with EDG for Building 1407	Diesel fuel	706 gallons	AST	Double-walled tank
AST located west of Building 1405 (1405-1)	Fuel oil	500 gallons	AST	Double-walled tank
AST located west of Building 1415	Used oil	500 gallons	AST	Double-walled tank
AST located south of Building 1423	Diesel fuel	500 gallons	AST	Double-walled tank
AST located south of Building 1423 (1423-1)	Fuel oil	500 gallons	AST	Double-walled tank
Miscellaneous material storage including, but not limited to, wood, scrap PVC piping, electric cable/wire, scrap metal tubing	Varies	Varies	Not applicable	None; not required
Miscellaneous equipment storage including, but not limited to, old transformers, generators, boilers, and trailers	Diesel fuel, hydraulic fluid, or oil	Varies	Not applicable	None; not required
Miscellaneous heavy equipment storage including, but not limited to, fork lifts, cranes, salt spreaders, and dump trucks	Diesel fuel, hydraulic fluid, or oil	Varies	Not applicable	None; not required

⁴⁵ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Salt pile for spreading on streets in winter	Salt	Varies	Indoor 1403	2-foot tall concrete berm
Sand pile for spreading on streets in winter	Sand	Varies	In door 1403	2-foot tall concrete berm
Uncovered piles of gravel	Gravel	Varies	Not applicable	None; not required
Uncovered pile of large cobble stones	Stones	Varies	Not applicable	None; not required
Uncovered cardboard recycling bin	Cardboard	Varies	Dumpster	None; not required
Uncovered solid waste dumpster	Accumulated stormwater	Varies	Dumpster	None; not required

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

Outdoor Material Storage

☒ Vehicle Storage ☒ Equipment Storage ☒ Misc. Metals ☒ Plastic Rubber
☒ Tire Storage ☒ Garbage Dumpster ☒ Empty Cans/Drums/Tanks ☒ Aggregate Storage
☒ Wood/Lumber ☒ Construction Material ☒ Recycling Container ☒ Cardboard/Paper
☐ Portable Toilet ☐ Transformers ☐ Fire Suppressant ☐ White Goods
☐ Munitions Storage ☐ Other: _____ Salt and sand

Comments:

HM/HW/POL Storage

☒ Flammables in Cabinets ☐ Flammables in Drums ☒ POL ☐ AST - Gasoline
☐ Mobile Tank – diesel ☒ Compressed Gas ☒ Waste ☒ AST – Diesel
☐ Solvents and Cleaning ☐ Corrosives ☐ Batteries ☐ AST – Jet A
☐ Well Cuttings in Drums ☐ Asbestos Waste ☐ Dielectric Fluid ☒ AST – Used Oil
☒ Misc. Liquid in Drums ☒ Ethylene Glycol ☒ Paint and Paint Waste ☒ AST – Fuel Oil
☒ Hazmat Lockers ☐ Cooking Oil ☐ Other: _____

Comments:

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff and any spills occurring around Buildings 1401, 1403, 1406, 1412, 1415, and 1422, will flow to nearby catch basins and ultimately flow to Eustis Lake.
- Stormwater runoff and any spills occurring around Buildings 1405, 1407, and 1421 will flow to nearby catch basins and ultimately flow to Warwick River.
- Stormwater runoff and any spills occurring around Buildings 1423 and 1425 will flow to nearby stormwater inlets and ultimately flow to both Eustis Lake and Warwick River.
- The facility is located in drainage basins 034 and 046.

Current BMPs

- Secondary containment for the ASTs is provided by a double-walled tank.
- The diesel AST located south of Building 1423 is secured to control access.
- HazMat lockers are locked to control access.
- The GOV/equipment parking bay at Building 1422 is sloped and bermed to prevent run-on and runoff.
- Spill kit is maintained in Buildings 1406 and 1422.
- A sediment trap is installed in the catch basin near the gravel/dirt piles to catch sediment.
- The salt pile is located in a concrete berm and partially covered with a tarp.
- Facility personnel perform required monthly and quarterly inspections of the facility.
- Facility personnel are trained annually in good housekeeping, pollution prevention, material management, and spill prevention and response.

Notable Issues:

BLDG 1403

- A shop-made containment berm for a 55-gallon drum collects stormwater water and does not have a drain valve. (This finding was also noted during a previous inspection.)

BLDG 1406

- Sand and sediment building up around and entering storm drain inlet.
- Metal and equipment stored outside exposed to stormwater
- Aggregate piles not covered and exposed to stormwater.
- Equipment stored outside and exposed to stormwater.
- Roll-off containing scrap wood and metal not covered.
- Poor housekeeping around facility.
- Dumpster left open.

BLDG 1423

- Storm drain inlet covered with sediment and debris.
- Equipment stored outside and exposed to stormwater.
- Poor housekeeping around facility.

**Buildings 1401, 1403, 1405, 1406, 1407, 1412, 1415, 1421, 1422, 1423, and 1425
733rd CED Compound Photographs⁴⁶**



Photo 1403-1. Containment full of water



Photo 1403-2. Bags of snow melt



Photo 1403-3. Road salt stored in facility



Photo 1403-4. Road sand stored in facility



Photo 1405-1. AST



Photo 1405-2. Cable storage area

⁴⁶ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

2019 COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
JBLE - EUSTIS

**Buildings 1401, 1403, 1405, 1406, 1407, 1412, 1415, 1421, 1422, 1423, and 1425
733rd CED Compound Photographs⁴⁶**



Photo 1405-3. Hazardous storage



Photo 1406-1. Recycling containers of wood and metal



Photo 1406-2. Equipment storage



Photo 1406-3. Sand and sediment entering storm drain



Photo 1406-4. Emergency generator



Photo 1406-5. Equipment storage

2019 COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
JBLE - EUSTIS

Buildings 1401, 1403, 1405, 1406, 1407, 1412, 1415, 1421, 1422, 1423, and 1425
733rd CED Compound Photographs⁴⁶



Photo 1406-6. Aggregate pile (1)



Photo 1406-7. Aggregate pile (2)



Photo 1406-8. Hazardous material storage (1)



Photo 1406-9. Hazardous material storage(2)



Photo 1406-10. Scrap metal roll-off container



Photo 1406-11. Empty/inactive AST storage



Photo 1406-12. Used oil storage



Photo 1406-13. Spill kit

2019 COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
JBLE - EUSTIS

**Buildings 1401, 1403, 1405, 1406, 1407, 1412, 1415, 1421, 1422, 1423, and 1425
733rd CED Compound Photographs⁴⁶**



Photo 1406-14. Equipment storage



Photo 1406-15. Equipment storage



Photo 1407-1. Diesel AST (1407-2)



Photo 1407-2. EDG and associated AST



Photo 1407-3. Solid waste dumpster and cardboard recycling bin



Photo 1422-1. Entomology equipment storage

2019 COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
JBLE - EUSTIS

**Buildings 1401, 1403, 1405, 1406, 1407, 1412, 1415, 1421, 1422, 1423, and 1425
733rd CED Compound Photographs⁴⁶**



Photo 1422-2. Material Storage



Photo 1422-3. Material Storage



Photo 1422-4. Spill kit



Photo 1422-5. Material storage (2)



Photo 1423-1. Equipment storage



Photo 1423-2. Abandoned container

2019 COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
JBLE - EUSTIS

**Buildings 1401, 1403, 1405, 1406, 1407, 1412, 1415, 1421, 1422, 1423, and 1425
733rd CED Compound Photographs⁴⁶**



Photo 1423-3. Debris pile exposed to stormwater



Photo 1423-4. Fuel tank in secondary containment



Photo 1423-5. Oil ASTs



**Photo 1423-6. Solid waste/cardboard recycling
containers**

Facility Inspection Summary

Building Number(s):	1411, 1417, and 1420
Facility Name:	Logistics Readiness Center (LRC) Maintenance Division
Organization:	LRC
POC:	Mr. Ford 878-3201
Discharge Receiving System(s):	Outfalls 037 and 111/Island Creek
Inspectors:	Scott Moler
Date/Time:	12 Dec 2019/0930
Weather:	40°F, Sunny

Facility Activities

Building 1411 is a large maintenance facility that performs work on a range of GOVs (e.g., standard vehicles, heavy expanded mobility tactical trucks [HEMTTs], Kalmars50). A self-contained wash rack located inside the facility was identified as inactive. The personnel reported that they use the self-contained outdoor wash rack with a recycling system. Shop personnel are trained on hazardous waste management procedures. HazMat lockers on site are secured to control access. A self-contained paint booth is located indoors and used to paint different types of GOVs.

Building 1417 includes a painting building and materials storage. A natural gas generator is located at the southeast corner of the building. Painted and unpainted pieces of metal causeway are stored southeast of the building.

Building 1420 is the sand blasting building where vehicles are sand blasted prior to painting. A diesel-run vacuum located on the east side of the building collects the blasted material.

Inventory of Materials Potentially Exposed to Stormwater⁴⁷

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Outdoor wash rack and associated wash water recycling system	Wash water	Varies	Not applicable	Catch basin
Miscellaneous heavy equipment and GOV storage/parking including, but not limited to, fork lifts, GOVs, and an excavator	Diesel fuel, hydraulic fluid, or oil	Varies	Not applicable	None; not required
Miscellaneous equipment storage including, but not limited to, trailers, air compressors, welders, mobile paint sprayer, and a mobile generator	Metals	Varies	Not applicable	None; not required

⁴⁷ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

2019 COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
JBLE - EUSTIS

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Miscellaneous material storage including, but not limited to, large and small metal pieces, wood, and tires	Metal, wood, and rubber	Varies	Not applicable	None; not required
Uncovered scrap metal and wood dumpsters	Metal and wood	Varies	Dumpster	None; not required
AST located south of Building 1411 (1411-3)	Used oil	500 gallons	AST	Double-walled tank
Single-walled AST intended to contain waste water (currently empty)	Waste water	330 gallons	AST	None

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

Outdoor Material Storage

- | | | | |
|---|---|---|---|
| <input checked="" type="checkbox"/> Vehicle Storage | <input checked="" type="checkbox"/> Equipment Storage | <input checked="" type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input checked="" type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Cans/Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input checked="" type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input type="checkbox"/> Other: _____ | | |

Comments:

HM/HW/POL Storage

- | | | | |
|--|---|---|--|
| <input checked="" type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input checked="" type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input checked="" type="checkbox"/> Compressed Gas | <input checked="" type="checkbox"/> Waste | <input checked="" type="checkbox"/> AST – Diesel |
| <input checked="" type="checkbox"/> Solvents and Cleaning | <input checked="" type="checkbox"/> Corrosives | <input checked="" type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input checked="" type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input checked="" type="checkbox"/> Ethylene Glycol | <input checked="" type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input checked="" type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input checked="" type="checkbox"/> Other: <u>Media blasting material</u> | |

Comments:

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff and any spills occurring around the facility will flow to nearby catch basins and ultimately flow to Island Creek.
- The facility is located in drainage basins 037 and 111.

Current BMPs

- Spill kit maintained in the facility.
- Drip pans placed under heavy equipment stored outside.
- Secondary containment for Tank 1411-3 is provided by a double-walled tank.

- An aerosol can collection bin is maintained inside the facility.
- The used oil AST (1411-3) is locked to restrict access.
- There are audible/visual alarms for the UST.
- The wash rack is self-contained and equipped with a recycling system.
- Solid waste dumpster is kept closed.
- Cardboard recycling bin is kept closed.
- Facility personnel perform required weekly, monthly, and quarterly inspections of the facility.
- Facility personnel are trained annually in good housekeeping, pollution prevention, material management, and spill prevention and response.

Notable Issues:

BLDG 1411

- Roll-off not covered. (This finding was also noted during a previous inspection.)
- Rust-colored staining observed on the concrete pad near roll-off and dumpster. (This finding was also noted during a previous inspection.)
- Tires stored outside exposed to storm water.

Buildings 1411, 1417, and 1420
Logistics Readiness Center - Maintenance Division Photographs⁴⁸



Photo 1411-1. Sand bags



Photo 1411-2. Staining on concrete



Photo 1411-3. Hazardous material storage (1)



Photo 1411-4. Recycling and solid waste dumpsters



Photo 1411-5. Recycling rolloff



Photo 1411-6. Tires stored outside

⁴⁸ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

Buildings 1411, 1417, and 1420
Logistics Readiness Center - Maintenance Division Photographs⁴⁸



Photo 1411-7. Hazardous material storage (2)



Photo 1411-8. Hazardous material storage (3)



Photo 1411-9. Used oil AST



Photo 1411-10. Outdoor wash rack with recycling system



Photo 1417-1. Paint booth emergency generator



Photo 1417-2. Hazardous material storage (4)

Buildings 1411, 1417, and 1420
Logistics Readiness Center - Maintenance Division Photographs⁴⁸



Photo 1417-3. Paint booth



Photo 1417-4. Hazardous waste storage



Photo 1420-1. Diesel tank for blast media collection system



Photo 1420-2. Bead blast media recovery system

Facility Inspection Summary

Building Number(s):	1428
Facility Name:	Force Support Division – Sports Field Maintenance
Organization:	633rd Force Support Squadron
POC:	Brandon Halbert (757) 878-5232
Discharge Receiving System(s):	Outfall 036/Island Creek
Inspectors:	Scott Moler
Date/Time:	20 Dec 2019/1045
Weather:	34°F, Sunny

Facility Activities

Building 1428 and the surrounding fenced-in area is the sports field maintenance facility. Personnel at this facility are in charge of maintaining the sports fields on base. A metal building with a roll-up door houses several lawn mowers, other miscellaneous lawn equipment, and assorted chemicals in a flammable materials locker. Maintenance is performed inside the building. There are no drains inside the building and spill kits are maintained on site. Used oil containers are taken to Building 1205, Hazardous Waste Accumulation Point, when they are full. Facility personnel indicated that they use POV detergent when washing equipment.

Inventory of Materials Potentially Exposed to Stormwater⁴⁹

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Dual-chambered AST containing gasoline and diesel fuel	Gasoline and Diesel fuel	500 gallons each	AST	Double-walled tank
Used oil, hydraulic oil, and antifreeze storage in clam shell-type storage container	Oil/antifreeze	Up to 55 gallons	Clamshell-type storage container	Clamshell-type storage container
Equipment storage including, but not limited to, tractors, trailers, golf carts, and tractor attachments	Varies	Varies	Not applicable	None; not required
Miscellaneous material storage including, but not limited to, empty trash cans, various yard tools, bleachers, tires, scrap metal, and miscellaneous sports equipment	Varies	Varies	Not applicable	None; not required
Assorted material storage on shelving covered by a tarp (corrugated pipe, tarps, wire, etc.)	Varies	Varies	Covered (tarp)	None; not required

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

⁴⁹ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

Outdoor Material Storage

- | | | | |
|---|---|--|---|
| <input checked="" type="checkbox"/> Vehicle Storage | <input checked="" type="checkbox"/> Equipment Storage | <input checked="" type="checkbox"/> Misc. Metals | <input checked="" type="checkbox"/> Plastic Rubber |
| <input checked="" type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input checked="" type="checkbox"/> Empty Cans/Drums/Tanks | <input checked="" type="checkbox"/> Aggregate Storage |
| <input checked="" type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input type="checkbox"/> Other: _____ | | |

Comments:

HM/HW/POL Storage

- | | | | |
|--|--|--|--|
| <input checked="" type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input type="checkbox"/> POL | <input checked="" type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input checked="" type="checkbox"/> Waste | <input checked="" type="checkbox"/> AST – Diesel |
| <input checked="" type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input checked="" type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments: Convault AST is dual-chambered

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff including any spills occurring at Building 1428 will flow southeast along the dirt driveway to a nearby stormwater inlet located just outside the fence and ultimately flow to Island Creek.
- Stormwater runoff including any spills occurring around the construction debris storage area will flow southeast along the dirt driveway to nearby stormwater ditches and ultimately flow to Island Creek.
- The facility is located in drainage basin 036.

Current BMPs

- Spill kit and additional spill response materials are maintained in the facility.
- All maintenance activities are performed indoors or under cover.
- Fueling activities are continuously monitored.
- The AST is double-walled.
- Fueling from the AST cannot be conducted without turning on the circuit breaker (controlled access).
- Materials are stored in a covered area (tarp).
- Facility personnel perform required monthly and quarterly inspections of the facility.
- Facility personnel are trained annually in good housekeeping, pollution prevention, material management, and spill prevention and response.

Notable Issues:**BLDG 1428**

- Secondary spill pallet contains oil. (Noted in previous inspection.)
- Materials stored in flammable locker secondary containment. (Noted in previous inspection.)
- Housekeeping needs to improve.

Building 1428
Force Support Division - Sports Field Maintenance Photographs⁵⁰



Photo 1428-1. Used oil, hydraulic fluid, and antifreeze storage in clamshell-type storage



Photo 1428-2. Material storage (1)



Photo 1428-3. Equipment storage (2)



Photo 1428-4. Diesel/gasoline dual-chambered AST



Photo 1428-5. Equipment storage (3)



Photo 1428-6. Hazardous material storage

⁵⁰ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

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Facility Inspection Summary

Building Number(s): 1620
Facility Name: Railroad Training Activities
Organization: Railroad Training Activities
POC: Mr. Torres-Flores 878-7155
Discharge Receiving System(s): Outfall 112/Island Creek
Inspectors: Scott Moler and Micah Miller
Date/Time: 5 Dec 2019/1000
Weather: 32°F, Sunny

Facility Activities

Building 1620 includes a large paved area where training is conducted. Vehicles and equipment are loaded and unloaded from railcars using Kalmars and forklifts. No vehicle maintenance, hazardous materials storage, or vehicle washing is conducted here. The entire facility is fenced and includes a locked access control point. Stormwater drains to drop inlets into a dry extended detention pond connected to Outfall 112. Stormwater also flows off site through sheet flow.

Inventory of Materials Potentially Exposed to Stormwater⁵¹

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Vehicle storage including, but not limited to trucks, cranes and forklifts	Diesel fuel, hydraulic fluid, or oil	Varies	Not applicable	None; not required
Equipment storage including, but not limited to, trailers and mobile generators	Diesel fuel, hydraulic fluid, or oil	Varies	Not applicable	None; not required

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

Outdoor Material Storage

- | | | | |
|---|--|---|--|
| <input checked="" type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Equipment Storage | <input type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Tire Storage | <input type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Cans/Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input type="checkbox"/> Recycling Container | <input type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input type="checkbox"/> Other: _____ | | |

Comments:

⁵¹ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

HM/HW/POL Storage

- | | | | |
|---|--|--|---|
| <input type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input checked="" type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments:

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff and any spills occurring on the operational (paved) area will flow toward the back of the paved area to a drop inlet and curb cut and into a dry extended detention pond. The pond ultimately discharges to Island Creek.
- The facility is located in drainage basin 112.

Current BMPs

- P2 BMP Implementation: Absorbent materials, drip pans, and spill kits.
- Drip pans are placed under GOVs parked outside.
- Facility personnel perform required monthly and quarterly inspections of the facility.
- Facility personnel receive training annually in good housekeeping, pollution prevention, material management, and spill prevention and response.

Notable Issues: None

Facility Inspection Summary

Building Number(s): 2015
Facility Name: CED Environmental Element Maintenance Area
Organization: CED Environmental Element
POC: Mr. Tim Blevins 878-4231
Discharge Receiving System(s): Outfall 116/James River
Inspectors: Scott Moler
Date/Time: 13 Dec 2019/10142
Weather: 47°F, Sunny

Facility Activities

Building 2015 is an open-air storage building for tractors and other maintenance equipment. Three sheds storing unknown contents are located on the north side of the building. Minor equipment maintenance, such as fluid changes, is performed under the building roof. One double-walled AST on site contains diesel fuel. The AST is within the locked fenced area. The diesel dispenser is locked.

Inventory of Materials Potentially Exposed to Stormwater⁵²

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Miscellaneous material storage including, but not limited to, mulch and landscape timbers	Varies	Varies	Not applicable	None; not required
Miscellaneous maintenance equipment storage including, but not limited to, trailers, sprayers, air compressors, and rototiller	Varies	Varies	Not applicable	None; not required
One 500-gallon double-walled AST located northeast of the building (2015-1)	Diesel fuel	500 gallons	AST	Double-walled tank

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

Outdoor Material Storage

☒ Vehicle Storage ☒ Equipment Storage ☒ Misc. Metals ☐ Plastic Rubber
☐ Tire Storage ☒ Garbage Dumpster ☐ Empty Cans/Drums/Tanks ☒ Aggregate Storage
☒ Wood/Lumber ☐ Construction Material ☒ Recycling Container ☒ Cardboard/Paper
☐ Portable Toilet ☐ Transformers ☐ Fire Suppressant ☐ White Goods
☐ Munitions Storage ☐ Other: _____

Comments:

⁵² Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

HM/HW/POL Storage

- | | | | |
|--|--|--|--|
| <input checked="" type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input checked="" type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input checked="" type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments:

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff including any spills occurring around the facility will flow north across grass and wooded areas via sheet flow and either infiltrate into the ground or flow to the James River.
- The facility is located in drainage basin 116.

Current BMPs

- Heavy equipment is stored under a covered area.
- The diesel AST (2015-1) is secured to control access.
- Fueling activities are continuously monitored.
- Spill response materials are kept on site.
- Solid waste dumpster kept closed.
- Facility personnel perform required monthly and quarterly inspections of the facility.
- Facility personnel are trained annually in good housekeeping, pollution prevention, material management, and spill prevention and response.

Notable Issues: None

Building 2015
CED Environmental Element Maintenance Area Photographs⁵³



Photo 2015-1. Heavy equipment stored under covered area



Photo 2015-2. Solid waste dumpster



Photo 2015-3. Equipment storage (1)



Photo 2015-4. Diesel fuel storage



Photo 2015-4. Equipment storage (2)

⁵³ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

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Facility Inspection Summary

Building Number(s):	2022 and 2025
Facility Name:	Causeway Country
Organization:	331st Transportation Co.
POC:	SSGT McBride 878-5016
Discharge Receiving System(s):	Outfall 051 and Outfall 114/James River
Inspectors:	Scott Moler and Micah Miller
Date/Time:	5 Dec 2019/1130
Weather:	41°F, sunny

Facility Activities

Buildings 2022 and 2025 are used for the storage, maintenance, and repair of modular piers. Building 2022 contains administrative offices and dry storage. Building 2025 is used for the maintenance of modular piers (e.g., welding damaged piers). Modular piers are scraped to remove barnacles. No washing occurs in this area.

Miscellaneous materials are stored on the pavement around the building. Equipment and materials stored around the perimeter of the building include, but are not limited to, rubber bumpers, marine ropes, and modular pier units.

Inventory of Materials Potentially Exposed to Stormwater⁵⁴

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Uncovered recycling bins, for scrap metal and wood	Metal and wood	Varies	Recycling bin	None; not required
Miscellaneous water equipment and materials storage including, but not limited to, rubber bumpers, ropes, and modular pier units	Varies	Varies	Not applicable	None; not required

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

Outdoor Material Storage

<input checked="" type="checkbox"/> Vehicle Storage	<input checked="" type="checkbox"/> Equipment Storage	<input checked="" type="checkbox"/> Misc. Metals	<input checked="" type="checkbox"/> Plastic Rubber
<input checked="" type="checkbox"/> Tire Storage	<input checked="" type="checkbox"/> Garbage Dumpster	<input checked="" type="checkbox"/> Empty Cans/Drums/Tanks	<input type="checkbox"/> Aggregate Storage
<input checked="" type="checkbox"/> Wood/Lumber	<input checked="" type="checkbox"/> Construction Material	<input checked="" type="checkbox"/> Recycling Container	<input checked="" type="checkbox"/> Cardboard/Paper
<input type="checkbox"/> Portable Toilet	<input type="checkbox"/> Transformers	<input type="checkbox"/> Fire Suppressant	<input type="checkbox"/> White Goods
<input type="checkbox"/> Munitions Storage	<input checked="" type="checkbox"/> Other: <u>Waste (barnacles) in bulk and in drums</u>		

Comments:

Waste (barnacles) are removed from the modular piers by scraping and containerized for disposal.

⁵⁴ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

HM/HW/POL Storage

- | | | | |
|--|--|---|---|
| <input type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input checked="" type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input checked="" type="checkbox"/> Compressed Gas | <input checked="" type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input checked="" type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input checked="" type="checkbox"/> Other: <u>AST – propane (x 2)</u> | |

Comments:

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff and any spills occurring at Building 2022 and its surrounding parking areas will flow south along the pavement and into a nearby stormwater inlet and ultimately flow to the James River.
- Stormwater runoff and any spills occurring at Building 2025 and its surrounding parking areas will sheet flow across the pavement to nearby catch basins and ultimately flow to the James River.
- The facility is located in drainage basin 051.

Current BMPs

- A spill kit and other spill response materials are maintained at the facilities.
- Materials are stored in a dry storage container.
- Solid waste dumpster kept closed.
- Facility personnel perform required monthly and quarterly inspections of the facility.
- Facility personnel are trained annually in good housekeeping, pollution prevention, material management, and spill prevention and response.

Notable Issues:

BLDG 2022

- Tires stored outside are exposed to storm water.

**Buildings 2022 and 2025
Causeway Country Photographs⁵⁵**



Photo 2022-1. Equipment storage (1)



Photo 2022-2. Equipment storage (2)



Photo 2022-2. Equipment storage (3)



Photo 2022-2. Equipment storage (4)



Photo 2025-1. Propane cylinders



Photo 2025-2. Equipment storage (1)

⁵⁵ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

**Buildings 2022 and 2025
Causeway Country Photographs⁵⁵**



Photo 2025-3. Equipment storage (2)



**Photo 2025-4. Equipment used at temporary wash
rack**

Facility Inspection Summary

Building Number(s):	2400
Facility Name:	Ground Support Equipment (GSE)/Tool Supply/Instrumentation
Organization:	Army Advanced Technology Demonstration (AATD)
POC:	Mr. Zimmerman 878-1249
Discharge Receiving System(s):	Sheet Flow – not located in a drainage basin
Inspectors:	Scott Moler
Date/Time:	19 Dec 2019/1130
Weather:	65°F, Sunny

Facility Activities

Building 2400 is divided into three different shops: GSE maintenance, the tool supply room, and the instrumentation shop. Maintenance activities are conducted indoors. The floor drains in this building are blocked or covered. No washing activities are conducted at this facility. GOV parking areas are located to the north and east of the building.

Inventory of Materials Potentially Exposed to Stormwater⁵⁶

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
GOVs parked at the facility	MOGAS, diesel fuel	Varies	GOV	None; not required

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

Outdoor Material Storage

- | | | | |
|---|--|---|--|
| <input checked="" type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Equipment Storage | <input type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Tire Storage | <input type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Cans/Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input type="checkbox"/> Recycling Container | <input type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input type="checkbox"/> Other: _____ | | |

Comments:

⁵⁶ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories

HM/HW/POL Storage

- | | | | |
|---|--|--|---|
| <input type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments:

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runs off as sheet flow; not into any one drainage basin.
- Stormwater runoff and any spills occurring north of Building 2400 will flow north across grass via sheet flow and will infiltrate into the ground.
- Stormwater runoff and any spills occurring south of Building 2400 will flow west across grass via sheet flow and will infiltrate into the ground.

Current BMPs

- All maintenance activities are conducted indoors.
- Floor drains in the facility are plugged or covered.
- Facility personnel perform required monthly and quarterly inspections of the facility.
- Facility personnel receive training annually in good housekeeping, pollution prevention, material management, and spill prevention and response.

Notable Issues: None

Building 2400
GSE/Tool Supply/Instrumentation Photographs⁵⁷



Photo 2400-1. Facility area



Photo 2400-2. GOV parking

⁵⁷ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

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Facility Inspection Summary

Building Number(s):	2401, 2403, and 2404
Facility Name:	Airfield Fire Department/Fire Pump House/Fire Water Tower
Organization:	Fire Station #2
POC:	Mr. Holland 878-4281
Discharge Receiving System(s):	Outfall 123/James River
Inspectors:	Scott Moler
Date/Time:	19 Dec 2019/1044
Weather:	34°F, Sunny

Facility Activities

Building 2401 is occupied by the Fort Eustis fire department and the building is referred to as Station 2. Minor fire truck maintenance is performed in four of the bays. Two of the maintenance bays also serve as locations for fire truck washing. Administrative offices and overnight quarters are also located inside the building.

All washing activities are conducted indoors. Wash water discharges to the sanitary sewer system via OWS-2401A. An outdoor trench drain runs the length of the building out front and discharges to the stormwater drainage system. A couple flammable storage lockers and several drums and 5-gallon containers of fire-fighting foam concentrate stored on pallets in the covered storage area in the northern corner of the building. The facility is equipped with an EDG.

Building 2404 is the Fire Water Pump House. The pump house is equipped with two electric pumps and one diesel pump. Building 2403 is the water tower.

Inventory of Materials Potentially Exposed to Stormwater⁵⁸

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
AST associated with EDG for Building 2401	Diesel fuel	200 gallons	AST	Double-walled tank
AST associated with EDG for lift station	Diesel fuel	113 gallons	AST	Double-walled tank
Two ASTs north of Building 2404	Diesel fuel	500 gallons	AST	Double-walled tank
Equipment storage for firefighting operations not limited to boats	Varies	Varies	Not applicable	None; not required

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

⁵⁸ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

Outdoor Material Storage

- | | | | |
|---|--|---|---|
| <input checked="" type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Equipment Storage | <input checked="" type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Cans/Drums/Tanks | <input checked="" type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input type="checkbox"/> Other: _____ | | |

Comments:

HM/HW/POL Storage

- | | | | |
|--|--|--|--|
| <input checked="" type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input checked="" type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input checked="" type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments:

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff and any spills occurring around Buildings 2403 and 2404 will flow south to the road and follow the road west to nearby stormwater inlets ultimately discharging to the James River.
- Stormwater runoff and any spills occurring around Building 2401 will flow south and west to drainage ditches leading to stormwater inlets that ultimately discharge to the James River.
- The facility is located in drainage basin 123.

Current BMPs

- All washing activities are conducted indoors and the wash water is discharged to the sanitary sewer system after passing through OWS-2401A.
- Spill kits are stored on the response trailer.
- P2 measure implementation: Spill pallets, absorbents, HazMat lockers, and staff training.
- Facility personnel perform required monthly and quarterly inspections of the facility.
- Facility personnel are trained annually in good housekeeping, pollution prevention, material management, and spill prevention and response.

Notable Issues:

BLDG 2401

- Spill pallets not adequate for the fire-fighting foam (Phos-chek) being stored.
- Flammable lockers secondary containment area contains materials.

Buildings 2401, 2403, and 2404
Airfield Fire Department/Fire Pump House Photographs⁵⁹



Photo 2401-1. EDG and associated AST



Photo 2401-2. Dedicated EDG for the water tower



Photo 2401-3. Outdoor trench drain



Photo 2401-4. Equipment storage



Photo 2401-5. OWS-2401A area



Photo 2401-6. Materials stored in vehicle bay

⁵⁹ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant

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Facility Inspection Summary

Building Number(s):	2402 and Parking Apron located North of 2402
Facility Name:	AATD Maintenance Hangar
Organization:	AATD
POC:	Mr. Zimmerman 878-1249
Discharge Receiving System(s):	Outfalls 064 and 123/James River
Inspectors:	Sheet Flow – not located in a drainage basin
Date/Time:	Scott Moler
Weather:	12 Dec 2019/1120
	34°F, Sunny

Facility Activities

Building 2402 is the AATD Maintenance Hangar. Personnel at this facility perform general maintenance on helicopters as well and research and development (R&D). No washing activities are conducted in the hangar and helicopters are typically stored on the parking apron located north of the building. Up to 12 helicopters can be parked on the apron north of the building at any one time. Drip pans are placed under the helicopters stored outside.

Inventory of Materials Potentially Exposed to Stormwater⁶⁰

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Solid waste dumpster	Waste materials	Varies	Roll-off dumpster	None; not required
Helicopters are parked on the apron located north of the building	Hydraulic fluid, and Jet A	Varies	Not applicable	None; not required

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

Outdoor Material Storage

- | | | | |
|---|--|---|---|
| <input checked="" type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Equipment Storage | <input type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Cans/Drums/Tanks | <input checked="" type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input checked="" type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input type="checkbox"/> Other: _____ | | |

Comments:

⁶⁰ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

HM/HW/POL Storage

- | | | | |
|--|--|--|--|
| <input checked="" type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input checked="" type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input checked="" type="checkbox"/> Compressed Gas | <input checked="" type="checkbox"/> Waste | <input checked="" type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input checked="" type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input checked="" type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments:

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff and any spills occurring around Building 2402 will flow to nearby stormwater inlets and ultimately flow to the James River.
- Stormwater runoff and any spills occurring north of Building 2402 on the parking apron will flow west across grass via sheet flow and infiltrate into the ground.
- The facility is located in drainage basins 064 and 123.

Current BMPs

- Maintenance activities are conducted indoors.
- Drip pans are placed under helicopters stored inside.
- Spill kit is maintained inside the facility.
- P2 Measure Implementation: Spill pallets and absorbents/rags maintained on site.
- Lids on solid waste dumpster kept closed.
- Facility personnel perform required inspections monthly and quarterly of the facility.
- Facility personnel are trained annually in good housekeeping, pollution prevention, material management, and spill prevention and response.

Notable Issues: None

Building 2402
AATD Maintenance Hangar Photographs⁶¹



Photo 2402-1. Solid waste dumpster



Photo 2402-2. Chemical storage



Photo 2402-3. Spill kit in Building 2402



Photo 2402-4. Parking apron area

⁶¹ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

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Facility Inspection Summary

Building Number(s):	2405 and 2409
Facility Name:	Apache Storage/Unmanned Aerial Vehicle (UAV) Facility
Organization:	Aviation Applied Technology Directorate
POC:	Mr. Zimmerman 878-1249
Discharge Receiving System(s):	Outfalls 064 and 065/James River
Inspectors:	Scott Moler
Date/Time:	19 Dec 2019/1120
Weather:	34°F, Sunny

Facility Activities

Buildings 2405 and 2409 are part of the AATD. These buildings are used for helicopter maintenance and dry storage. Personnel occasionally conduct maintenance and fueling operations on the helicopter pads on the parking apron in front of the buildings. Helicopter blades, trailers, and other assorted equipment are stored in an uncovered outdoor storage area west of Building 2409. There are no floor drains in either building. Trash and recycling are placed into containers. Both the garbage dumpster and recycling containers are stored with the lids closed and when 80 percent full, they are emptied. Facility is equipped with a fire suppression system.

Inventory of Materials Potentially Exposed to Stormwater⁶²

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Miscellaneous equipment storage including, but not limited to, metal racks, metal trailers, and helicopter blades	Varies	Varies	Not applicable	None; not required
Assorted wood storage including, but not limited to, pallets and boxes	Wood	Varies	Not applicable	None; not required
Lift station located north of Building 2409	Sewage	Varies	Lift station	None; not required

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

Outdoor Material Storage

<input checked="" type="checkbox"/> Vehicle Storage	<input checked="" type="checkbox"/> Equipment Storage	<input checked="" type="checkbox"/> Misc. Metals	<input checked="" type="checkbox"/> Plastic Rubber
<input checked="" type="checkbox"/> Tire Storage	<input checked="" type="checkbox"/> Garbage Dumpster	<input type="checkbox"/> Empty Cans/Drums/Tanks	<input type="checkbox"/> Aggregate Storage
<input checked="" type="checkbox"/> Wood/Lumber	<input type="checkbox"/> Construction Material	<input checked="" type="checkbox"/> Recycling Container	<input checked="" type="checkbox"/> Cardboard/Paper
<input type="checkbox"/> Portable Toilet	<input type="checkbox"/> Transformers	<input checked="" type="checkbox"/> Fire Suppressant	<input type="checkbox"/> White Goods
<input type="checkbox"/> Munitions Storage	<input type="checkbox"/> Other: _____		

Comments:

⁶² Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

HM/HW/POL Storage

- | | | | |
|--|--|--|--|
| <input checked="" type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input checked="" type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input checked="" type="checkbox"/> Compressed Gas | <input checked="" type="checkbox"/> Waste | <input checked="" type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input checked="" type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments:

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff and any spills occurring north of Buildings 2405 and 2409 will flow north to nearby stormwater inlets and ultimately into the James River.
- Stormwater runoff and any spills occurring on the paved areas around Buildings 2405 and 2409 will flow south to one of two stormwater catch basins, which convey the flow west to a nearby stormwater drainage ditch, ultimately flowing into the James River.
- Stormwater runoff and any spills occurring at the lift station will flow north across a parking lot to a grassy area that ultimately flows to the James River.
- The facility is located in drainage basins 064 and 065.

Current BMPs

- Drip pans are used and maintained for helicopters stored outside at Buildings 2405 and 2409.
- Facility personnel perform required monthly and quarterly inspections of the facility.
- Facility personnel are trained annually in good housekeeping, pollution prevention, material management, and spill prevention and response.

Notable Issues: None

**Buildings 2405 and 2409
Apache Storage/UAV Facility Photographs⁶³**



Photo 2405-1. Building 2405 area



Photo 2405-2. Equipment storage



Photo 2405-3. Wash equipment



Photo 2409-1. Building 2409 area



Photo 2409-2. Outdoor miscellaneous material storage



Photo 2409-3. Sewage lift station

⁶³ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

Buildings 2405 and 2409
Apache Storage/UAV Facility Photographs⁶³



Photo 2409-4. Hazardous material storage (1)

Facility Inspection Summary

Building Number(s):	2407
Facility Name:	Flight Concepts Division (FCD)/Aviation Life Support Equipment (ALSE) Shop/Fuels Office
Organization:	FCD/ALSE/Fuels
POC:	Mr. Zimmerman 878-1249
Discharge Receiving System(s):	Outfall 064 – James River/Outfalls 069 and 073/Morrison’s Creek
Inspectors:	Scott Moler
Date/Time:	19 Dec 2019/1120
Weather:	34°F, Sunny

Facility Activities

Building 2407 houses the FCD workout area (secure location), ALSE Shop, and the Fuels Office. The FCD area of the building is a secure portion of the facility that contains a weight room, hot tub, cold tub, and lap pool. The ALSE Shop conducts maintenance on flight suits and helmets. The Fuels Office includes a tool bin and a maintenance bay for minor maintenance on lawn equipment and bird cannons. No floor drains are present in the maintenance bay and no equipment washing is conducted. A water treatment system for the FCD pool is located on the east side of building. The treatment system uses a 35% hydrogen peroxide solution.

One refueler truck was observed parked outside without secondary containment. No maintenance is conducted outside.

Inventory of Materials Potentially Exposed to Stormwater⁶⁴

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Water treatment system located on the east side of the building	Water treatment chemicals	Varies	Not applicable	None; not required
Miscellaneous equipment storage including, but not limited to, tires, mowers and tractors	Diesel fuel, hydraulic fluid, and oil	Varies	Not applicable	None; not required
Refueler truck located northeast of facility	Jet A	5,000 gallons	Refueler truck	None

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

⁶⁴ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

Outdoor Material Storage

- | | | | |
|---|--|---|---|
| <input checked="" type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Equipment Storage | <input type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input checked="" type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Cans/Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input type="checkbox"/> Other: _____ | | |

Comments:

HM/HW/POL Storage

- | | | | |
|---|--|--|---|
| <input type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input checked="" type="checkbox"/> AST Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments:

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff and any spills occurring south of Building 2407 will flow south and east along the building to nearby stormwater drains and ultimately flow to Morrison's Creek.
- Stormwater runoff and any spills occurring north and west of Building 2407 will flow north and east to nearby stormwater drains and ultimately flow to the James River.
- The facility is located in drainage basins 064, 069, and 073.

Current BMPs

- Maintenance activities are performed indoors.
- Spill kits are located inside the facility.
- Facility personnel perform required monthly and quarterly inspections of the facility.
- Facility personnel are trained annually in good housekeeping, pollution prevention, material management, and spill prevention and response.

Notable Issues: None

Building 2407
FCD/ALSE Shop/Fuels Office Photographs⁶⁵



Photo 2407-1. Water Treatment System



Photo 2407-2. Condensate discharge

⁶⁵ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

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Facility Inspection Summary

Building Number(s):	2410, 2411, 2412, 2415, 2419, and 2421
Facility Name:	FCD Compound/Apache Training Hangar
Organization:	FCD/B-CO 1-210 Aviation (AVN) Regiment (RGMT)
POC:	Mr. Aldridge 878-1140
Discharge Receiving System(s):	Outfalls 069 and 073/Morrison's Creek
Inspectors:	Scott Moler
Date/Time:	20 Dec 2019/1035
Weather:	31°F, Sunny

Facility Activities

Buildings 2410, 2411, 2412, 2415, 2419, and 2421 make up the FCD Compound, which is mainly used for R&D operations. The entire compound is a restricted area, and access to the interior and exterior portions of the compound is limited. The entire compound is paved. Photography was not permitted within the secure areas.

Buildings 2410, 2412, and 2421 are used for administrative offices only. Buildings 2410/2421 and Building 2411 are equipped with generators fueled by natural gas.

Building 2411 is divided into 2411A and 2411B. Building 2411A includes administrative offices, a sheet metal shop, and a large hangar where personnel conduct aircraft and parts maintenance. Building 2411B includes administrative offices, classrooms, and a training hangar for B-CO 1-210 AVN RGMT. Building 2411B is not a secure area and is used for Apache helicopter training. All helicopters are demilitarized and contain no fluids.

Building 2415 is split into two parts: half of the building is a paint booth and the other half is used for warehouse storage. The paint booth is a self-contained system.

Building 2419 is used for classroom training and dry maintenance. Approximately half of the building is offices and classrooms for training and the other portion is a small hangar used to conduct dry maintenance of aircraft parts. Building 2419 is equipped with an EDG on the south side of the building.

Inventory of Materials Potentially Exposed to Stormwater⁶⁶

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Heavy equipment storage including, but not limited to, mobile generators, fork lifts, and GOVs	Diesel fuel, hydraulic fluid, or oil	Varies	Not applicable	None; not required
Miscellaneous material storage including, but not limited to, wood pallets	Wood	Varies	Not applicable	None; not required

⁶⁶ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Miscellaneous equipment storage including, but not limited to, portable air conditioners and boat	Varies	Varies	Not applicable	None; not required

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

Outdoor Material Storage

- | | | | |
|---|---|---|---|
| <input checked="" type="checkbox"/> Vehicle Storage | <input checked="" type="checkbox"/> Equipment Storage | <input checked="" type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Cans/Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input checked="" type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input type="checkbox"/> Other: _____ | | |

Comments:

HM/HW/POL Storage

- | | | | |
|--|--|---|---|
| <input checked="" type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input checked="" type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input checked="" type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input checked="" type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input checked="" type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input checked="" type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments:

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff and any spills occurring within the compound will flow to nearby stormwater catch basins and ultimately into Morrison's Creek.
- The facility is located in drainage basins 069 and 073.

Current BMPs

- All maintenance and washing is performed indoors.
- All chemicals and HazMat are stored in HazMat lockers with drop floors.
- Spill kits are maintained inside and outside Building 2411.
- Solid waste dumpster and recycling containers are kept closed when not in use.
- Secondary containment for the EDG ASTs is provided by a double-walled tank.
- Facility personnel perform required monthly and quarterly inspections of the facility.
- Facility personnel are trained annually in good housekeeping, pollution prevention, material management, and spill prevention and response.

Notable Issues:

BLDG 2411

- Materials stored in flammable locker's secondary containment.
- Sediment observed building up in storm drains.
- Vegetation (tree) growing in storm drain inlet in parking lot.

**Buildings 2410, 2411, 2412, 2415, 2419, and 2421
Flight Concepts Division Compound/Apache Training Hangar Photographs⁶⁷**



Photo 2411-1. Building 2411 area



Photo 2411-2. HazMat storage



Photo 2411-3. Solid waste dumpsters

⁶⁷ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

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Facility Inspection Summary

Building Number(s): 2413
Facility Name: TRADOC Flight Detachment
Organization: US Falcon n/128th AVN BDE
POC: Mr. Cater 878-7101
Discharge Receiving System(s): Outfall 073/Morrison's Creek
Inspectors: Scott Moler
Date/Time: 6 Dec 2019/1057
Weather: 67°F, Sunny

Facility Activities

Building 2413 is a large hangar that is used for helicopter maintenance. Personnel reported that all heavy maintenance and maintenance involving fluids is conducted indoors. Facility personnel use absorbent materials (e.g., pig mats) and debris barrels to dispose of and contain waste from maintenance activities.

Inventory of Materials Potentially Exposed to Stormwater⁶⁸

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
GSE storage including, but not limited to, mobile generators and trailers	Diesel fuel	Varies	Not applicable	None; not required
Miscellaneous material storage including, but not limited to, scrap metal and tires	Metal and rubber	Varies	Not applicable	None; not required

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

Outdoor Material Storage

- | | | | |
|---|--|---|---|
| <input checked="" type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Equipment Storage | <input checked="" type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Cans/Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input checked="" type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input checked="" type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input type="checkbox"/> Other: _____ | | |

Comments:

⁶⁸ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

HM/HW/POL Storage

- | | | | |
|--|--|--|--|
| <input checked="" type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input checked="" type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input checked="" type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input checked="" type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input checked="" type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments:**Description of Stormwater Entry Points and Ultimate Outfall Point**

- Stormwater runoff and any spills occurring at Building 2413 will flow into nearby stormwater inlets and ultimately into Morrison's Creek.
- The facility is located in drainage basin 073.

Current BMPs

- All fluid maintenance is conducted inside.
- Spill kits are maintained in the facility.
- Materials are stored in dry storage containers.
- HazMat lockers are locked for controlled access.
- P2 Measure Implementation: Spill pallets, absorbent materials, covered storage, signage.
- Forklifts and other equipment kept outside are stored under a covered area.
- Secondary containment for the used oil AST is provided by a double-walled tank.
- Solid waste and recycling dumpsters are kept closed when not in use.
- Facility personnel perform required monthly and quarterly inspections of the facility.
- Facility personnel are trained annually in good housekeeping, pollution prevention, material management, and spill prevention and response.

Notable Issues:**BLDG 2413**

- Scrap metal roll off containers not covered and exposed to stormwater
- OWS sediment traps have a buildup of sediment

**Building 2413
TRADOC Flight Detachment Photographs⁶⁹**



Photo 2413-1. Spill kit in Building 2413



Photo 2413-2. GSE and dry storage area



Photo 2413-3. Hazardous material storage



Photo 2413-4. Used oil AST



Photo 2413-5. Solid waste recycling dumpster



Photo 2413-6. Oil/water separator

⁶⁹ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

Building 2413
TRADOC Flight Detachment Photographs⁶⁹



Photo 2413-7. Scrap metal (copper) bin



Photo 2413-8. Scrap metal bin

Facility Inspection Summary

Building Number(s)	2414
Facility Name	Aircraft Wash Rack
Organization	TRADOC Flight Detachment
POC:	Mr. Cater 878-7101
Discharge Receiving System(s)	Outfall 070/Morrison's Creek
Inspectors:	Scott Moler and Jonathon Colmer
Date/Time:	6 Dec 2019/1035
Weather:	67°F, Sunny

Facility Activities

Building 2414 includes an aircraft wash rack for the TRADOC Flight Detachment facility (Building 2413). The wash rack is used by personnel in Building 2413 as well as other facilities for aircraft washing, engine washing, compression washes, and occasional boat and GOV washing, including fire trucks from Building 2401. The wash rack drains to an OWS (OWS-2414), which is connected to the sanitary sewer system. The system is equipped with an automatic diversion valve, which routes flow to the stormwater drainage system when the wash rack is not in use.

The wash rack is also used for storage. A used oil AST and HazMat lockers with drop floors are located on the concrete area near the wash rack drainage area. The AST and HazMat lockers are owned and managed by Westwind Technologies and/or US Falcon, located in Building 2413.

Building 2414 is currently used as a welding room. The facility is equipped with signage and warning lights and includes a portable ventilation system for use when welding is occurring inside the building.

Inventory of Materials Potentially Exposed to Stormwater⁷⁰

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Wash water from wash rack	Wash water	Varies	Not applicable	Diversion valve to sanitary sewer
Used oil recovery AST	Used oil	500 gallons	AST	Double-walled tank

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

⁷⁰ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

Outdoor Material Storage

- | | | | |
|--|---|---|--|
| <input type="checkbox"/> Vehicle Storage | <input checked="" type="checkbox"/> Equipment Storage | <input type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Cans/Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input type="checkbox"/> Other: _____ | | |

Comments:

HM/HW/POL Storage

- | | | | |
|--|--|--|--|
| <input checked="" type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input checked="" type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments:

Description of Stormwater Entry Points and Ultimate Outfall Point

- Spills occurring on the wash rack will flow to SI-2414, leading to the OWS located on the south side of the building, which ultimately discharges to the sanitary sewer system. If the wash rack is not in use, spills would flow directly to the stormwater drainage system, ultimately discharging into Morrison's Creek.
- Stormwater runoff and any spills occurring around Building 2414, but not on the wash rack, will flow to nearby stormwater inlets and ultimately into Morrison's Creek.
- The facility is located in drainage basin 070.

Current BMPs

- The wash rack is connected to the sanitary sewer system.
- The wash rack is contained by concrete berms and curbing.
- OWS-2414 is equipped with a high-level alarm.
- The automatic diversion system is setup so that all flow is directed to the OWS and sanitary sewer when the potable water is turned on via a solenoid valve.

Notable Issues:

BLDG 2414

Oil/water separator diverter valve was not working properly. The diverter was stuck in the open position, directing stormwater to the sanitary sewer system. Mr. Colmer notified Base Operating Support contractor and facility manager for repair.

**Building 2414
Aircraft Wash Rack Photographs⁷¹**



Photo 2414-1. Building area



Photo 2414-2. OWS-2414



Photo 2414-3. Stormwater diversion valve pit



Photo 2414-4. Wash rack area



Photo 2414-5. OWS-2414 alarm panel



Photo 2414-6. Wash rack control panel

⁷¹ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

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Facility Inspection Summary

Building Number(s): 2418
Facility Name: AATD Training Facility
Organization: B-CO 1-210 AVN RGMT
POC: SGT Deleon 878-1616
Discharge Receiving System(s): Outfalls 071 and 072/Morrison's Creek
Inspectors: Scott Moler
Date/Time: 19 Dec 2019/0900
Weather: 29°F, Sunny

Facility Activities

Building 2418 is the AATD training facility. The facility houses demilitarized Apache helicopters in the hangar that are used for flight simulation training. The Fire Department occasionally conducts controlled burns on the concrete pad southwest of Building 2418. No chemicals are stored on site and the facility is only used for training purposes. The storage area west of the building is used for storing aircraft prior to demilitarization.

Inventory of Materials Potentially Exposed to Stormwater⁷²

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Miscellaneous equipment storage including, but not limited to, trailers and scaffolding	Varies	Varies	Not applicable	None; not required
Lift station located northwest of Building 2418	Sewage	Varies	Lift station	None; not required

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

Outdoor Material Storage

- | | | | |
|---|---|---|---|
| <input checked="" type="checkbox"/> Vehicle Storage | <input checked="" type="checkbox"/> Equipment Storage | <input checked="" type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Cans/Drums/Tanks | <input checked="" type="checkbox"/> Aggregate Storage |
| <input checked="" type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input type="checkbox"/> Other: | | |

Comments:

⁷² Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

HM/HW/POL Storage

- | | | | |
|--|--|--|---|
| <input checked="" type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments:

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff and any spills occurring northwest of Building 2418 will flow west to a nearby stormwater drain and ultimately into Morrison's Creek.
- Stormwater runoff and any spills occurring southwest of Building 2418 will flow south and west to a nearby stormwater drain and ultimately into Morrison's Creek.
- Stormwater runoff and any spills occurring northeast of Building 2418 will flow north and east to nearby stormwater drains and ultimately into Morrison's Creek.
- Stormwater runoff and any spills occurring at the lift station will flow south and west to a nearby storm drain and ultimately into Morrison's Creek.
- Stormwater runoff and any spills occurring at the controlled burning area will flow south off the concrete parking area into the grass and ultimately into Morrison's Creek.
- The facility is located in drainage basins 071 and 072.

Current BMPs

- Cardboard recycling bin is kept closed when not in use.
- Solid waste dumpster is kept closed when not in use.
- All aircraft training activities are performed indoors.
- Facility personnel perform required monthly and quarterly inspections of the facility.
- Facility personnel are trained annually in good housekeeping, pollution prevention, material management, and spill prevention and response.

Notable Issues:**BLDG 2418**

- Bay doors do not seal and storm water enters the facility.
- Sediment build up observed in storm drain inlet.

**Building 2418
AATD Facility Photographs⁷³**



Photo 2418-1. Solid waste dumpsters and cardboard recycling bin



Photo 2418-2. S. Spill kits



Photo 2418-3. Equipment storage



Photo 2418-4. Hangar door



Photo 2418-5. Lift station



Photo 2418-6. Hazardous material storage

⁷³ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

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Facility Inspection Summary

Building Number(s):	2448, 2449, and 2450
Facility Name:	Aviation Support Facility (ASF)
Organization:	Army Reserve/159th Aviation BDE
POC:	Mr. Chris Renew 878-2865, Ext. 241
Discharge Receiving System(s):	Outfall 065/James River
Inspectors:	Scott Moler and Jonathon Colmer
Date/Time:	19 Dec 2019/0900
Weather:	54 °F

Facility Activities

Buildings 2448, 2449, and 2450 are part of the ASF, which conducts maintenance on various types of aircraft (e.g., Chinook and Apache helicopters). The majority of aircraft maintenance is conducted in Building 2448. Some aircraft maintenance is performed on the parking aprons located just outside the building. There is an OWS (OWS-2448) associated with the trench drains located inside the maintenance hangar. The trench drains also provide containment for the AFFF system in the event of a release.

Building 2449 includes administrative offices and storage. Building 2450 is used for storage of dry materials only.

A wash rack is located north of Building 2448 near Building 2449. Personnel wash helicopters at the wash rack approximately three to four times per week. The wash rack is equipped with concrete berms and curbing to contain wastewater. The wash rack is equipped with an automatic diversion valve that directs wastewater flow to either the sanitary sewer or stormwater system when the wash rack is not in use. When the wash rack is being used, wash water is directed to OWS-2449, which discharges to the sanitary sewer system.

Inventory of Materials Potentially Exposed to Stormwater⁷⁴

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Miscellaneous equipment storage including, but not limited to, fork lifts, trailers, mobile generators, and cranes	Diesel fuel, hydraulic fluid, and/or oil	Varies	Not applicable	None; not required
Wash water from wash rack discharges to the sanitary sewer via OWS-2449	Wash water	Varies	Not applicable	Not applicable
Assorted wood storage including, but not limited to, pallets	Wood	Varies	Not applicable	None; not required
AST (2448-1) containing used oil	Used oil	500 gallons	AST	Double-walled tank
Two 2,500-gallon refueler trucks containing Jet A located north of Building 2448	Jet A	5,000 gallons	Refueler truck	Pop-up berm

⁷⁴ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

Outdoor Material Storage

- | | | | |
|---|---|---|---|
| <input checked="" type="checkbox"/> Vehicle Storage | <input checked="" type="checkbox"/> Equipment Storage | <input checked="" type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Cans/Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input checked="" type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input checked="" type="checkbox"/> Other: <u>CONEX boxes</u> | | |

Comments:

HM/HW/POL Storage

- | | | | |
|--|--|--|--|
| <input checked="" type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input checked="" type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input checked="" type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input checked="" type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST –Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input checked="" type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments:

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff and any spills occurring around the perimeter of Buildings 2448, 2449, and 2450 will flow to various stormwater inlets and ultimately flow to the James River.
- Stormwater runoff and any spills occurring on the wash rack will flow to the two catch basins leading to OWS-2449 located on the south side of the wash rack, which ultimately discharges to the sanitary sewer system. If the wash rack is not in use, spills will flow directly to the stormwater drainage system, ultimately discharging into Morrison's Creek.
- The facility is located in drainage basin 065.

Current BMPs

- P2 BMP Implementation: Absorbent materials, HazMat locker, spill kits, drip pans, and spill pallets maintained in Building 2448.
- The wash rack is connected to the sanitary sewer system.
- The wash rack is contained by concrete berms and curbing.
- OWS-2449 is equipped with a high-level alarm.
- The automatic diversion system is setup so that flow is directed to the OWS and sanitary sewer when the potable water is turned on via a solenoid valve.
- Secondary containment for the refueler truck is provided by drive-on secondary containment. Pop-up berms are also available.
- Secondary containment for the used oil AST (2448-1) is provided by a double-walled tank.
- The used oil AST (2448-1) is secured to control access.
- Miscellaneous equipment and materials are stored under a covered area.
- Interior trench drains in Building 2448 are connected to the sanitary sewer system via OWS-2448.

- Solid waste dumpster is kept closed when not in use.
- Cardboard recycling bin is kept closed when not in use.
- Facility personnel perform the required monthly and quarterly inspections of the facility.
- Facility personnel are trained annually in good housekeeping, pollution prevention, material management, and spill prevention and response.

Notable Issues:

BLDG 2448

- Drain plug for the fuel truck secondary containment is on the ground and not used properly, allowing the potential for a release of fuel to the environment. (This finding was also noted during a previous inspection.)

**Buildings 2448, 2449, and 2450
ASF Photographs⁷⁵**



Photo 2448-1. Miscellaneous equipment storage



Photo 2448-2. Miscellaneous equipment storage



Photo 2448-3. Refueler truck parking



Photo 2448-4. Used oil AST (2448-1)



Photo 2448-5. Used oil storage



Photo 2448-6. Spill kit in Building 2448

⁷⁵ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

2019 COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
JBLE - EUSTIS

Buildings 2448, 2449, and 2450
ASF Photographs⁷⁵



Photo 2448-7. Oil water separator



Photo 2448-8. Waste storage



Photo 2448-9. Bulk hazardous material storage

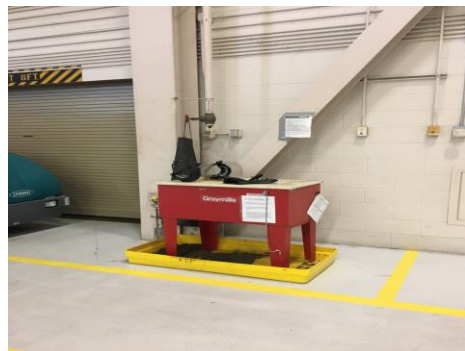


Photo 2448-10. Parts washer



Photo 2449-1. Wash rack area



Photo 2449-2. Wash rack control panel

2019 COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
JBLE - EUSTIS

Buildings 2448, 2449, and 2450
ASF Photographs⁷⁵



Photo 2449-3. OWS-2449



Photo 2449-4. OWS-2449 control panel



Photo 2449-5. Fuel truck secondary containment plug missing



Photo 2450-1. Potable water auto flusher



Photo 2450-2. Equipment storage



Photo 2450-3. Equipment storage

Facility Inspection Summary

Building Number(s):	2451
Facility Name:	Petroleum, Oils, and Lubricants (POL) Yard
Organization:	733rd Logistic Readiness Squadron
POC:	TSgt Lance 878-6096
Discharge Receiving System(s):	Sheet Flow – not in a drainage basin
Inspectors:	Scott Moler
Date/Time:	19 Dec 2019/1120
Weather:	Sunny, 32°F

Facility Activities

Building 2451, along with seven fuel storage containers and associated piping, make up the POL Yard. Building 2451 is primarily used to store P2 BMPs such as spill kits, absorbent materials, and drip pans. The area includes a offloading rack equipped to receive up to two commercial fuel tanker trucks simultaneously. Fuel trucks are also loaded in the same area. The offloading/loading rack is equipped with two catch basins that are hard piped to the western-most dike for the 30,000-gallon Jet A tank. A 500-gallon diesel fuel tank is located at the offloading/loading rack.

Two field-constructed ASTs (2451-1 and 2451-4) used for storing Jet A are also located at the POL Yard. Each tank has a 30,000-gallon capacity. The tanks are located within two separate concrete dikes equipped with manual valves that, when open, discharge to the stormwater drainage system. Prior to a release, water within the dikes is inspected for an oily sheen.

Additionally, two parking/containment areas are located east of the offloading/loading rack that currently store 2,500-gallon Jet A refueler trucks, a 1,000-gallon Jet A mobile tank, and an approximately 250-gallon bowser for storing off-spec fuel. The parking areas are equipped with a concrete berm; one includes a drain that flows to the western most dike for the 30,000-gallon Jet A tank.

Inventory of Materials Potentially Exposed to Stormwater⁷⁶

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Jet A transfers occur to/from tanks (2451-1 and 2451-4) at the offloading rack	Jet A	60,000 gallons	AST	Concrete dike with manual valve
Mobile AST trailer containing Jet A	Jet A	1,000 gallons	AST	Concrete containment pad
AST containing Jet A fuel	Jet A	250 gallons	AST	Double-walled AST

⁷⁶ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Two refueler trucks containing Jet A	Jet A	2,500 gallons each	Refueler truck	Concrete dike with manual valve
Miscellaneous material storage including, but not limited to, metal stairs, plastic barriers, and a snow plow	Metal and plastic	Varies	Not applicable	None; not required
Miscellaneous equipment storage including, but not limited to, mobile generators	Diesel fuel	Varies	Not applicable	None; not required

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

Outdoor Material Storage

- | | | | |
|---|--|---|--|
| <input checked="" type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Equipment Storage | <input checked="" type="checkbox"/> Misc. Metals | <input checked="" type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Cans/Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input type="checkbox"/> Other: _____ | | |

Comments:

HM/HW/POL Storage

- | | | | |
|---|--|--|--|
| <input type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input checked="" type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input checked="" type="checkbox"/> Waste | <input checked="" type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input checked="" type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input checked="" type="checkbox"/> Other: <u>Mobile tanks – Jet A, bowser for off-spec fuel, drums of off-spec fuel (indoors)</u> | |

Comments:

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff and any spills occurring at one of the 30,000-gallon Jet A tanks will be contained within the respective concrete dike. If an oily sheen is observed, then a contractor is engaged to remove the water. If no sheen is observed, the stormwater is discharged via the manual valve to a nearby swale located south of the diked area.

- Stormwater runoff and any spills occurring at the truck loading/unloading area, as well as the designated parking area (including refueler truck parking), will drain to the western most dike serving one of the field-constructed ASTs.
- Sheet flow – not in a drainage basin.

Current BMPs

- One truck loading/offloading area is sloped to a collection drain, which flows to western most dike serving one of the field-constructed ASTs.
- Routine daily and weekly inspections are performed on the tank and loading rack areas.
- P2 BMP Implementation: Absorbent materials, HazMat locker, and spill kits maintained on site.
- Secondary containment for the refueler trucks and mobile tank is provided by a concrete dike. The diked area drains to the western most dike serving one of the field-constructed ASTs.
- Facility personnel perform required facility daily, weekly, and monthly inspections.
- Facility personnel are trained annually in good housekeeping, pollution prevention, material management, and spill prevention and response.

Notable Issues: None

**Building 2451
POL Yard Photographs⁷⁷**



Photo 2451-1. Offloading/loading rack area



Photo 2451-2. Refueler truck parking area



Photo 2451-3. Field-constructed AST #1



Photo 2451-4. Field-constructed AST #2

⁷⁷ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

Facility Inspection Summary

Building Number(s):	2504, 2505, 2506, 2508, and 2510
Facility Name:	Equipment Concentration Site #93
Organization:	Headquarters (HQ) 99th Regional Readiness Command (RRC)
POC:	Mr. Miner 878-1168
Discharge Receiving System(s):	Outfall 042/Warwick River
Inspectors:	Scott Moler
Date/Time:	25 Nov 2019/1430
Weather:	Sunny, 48°F

Facility Activities

The Equipment Concentration Site #93 includes Buildings 2504, 2505, 2506, 2508, and 2510. GOV maintenance, including light to heavy maintenance (e.g., oil changes to engine overhauls), is conducted in Buildings 2504 and 2505. The floor drains in Building 2504 are covered. All of the floor drains in Building 2505 have been permanently plugged. No maintenance is performed outdoors. Personnel indicated that they dispose of floor wash water at the wash rack, Building 2510.

GOVs and other equipment are stored south of Building 2506 in a paved parking area. Drip pans are used under vehicles that have been observed to have POL drips. The drip pans are checked weekly and after rainfall events.

Building 2506 is located south of Building 2505 and is only used for dry storage.

Building 2510 is the GOV wash rack. The wash rack is covered and bermed. At the time of the inspection, the wash rack was out of service. Wash water discharges to OWS-2505, which discharges to the sanitary sewer. Sand interceptor SI-2505 (at Building 2508) was previously connected to the wash rack. The covered SI is no longer in use.

Inventory of Materials Potentially Exposed to Stormwater

Significant Materials Exposed to Stormwater ⁷⁸				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Building 2505				
AST south of Building 2505 (2505-1)	Used oil	500 gallons	AST	Double-walled tank
Assorted wood storage including, but not limited to, pallets	Wood	Varies	Not applicable	None; not required
Miscellaneous equipment storage including, but not limited to, tires, engines, empty welding tanks, vehicle doors, and GOVs	Varies	Varies	Not applicable	None; not required
Uncovered cardboard recycling bin	Cardboard	Varies	Recycling bin	None; not required

⁷⁸ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

Significant Materials Exposed to Stormwater ⁷⁸				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Uncovered scrap metal dumpster	Metal	Varies	Dumpster	None; not required
Building 2506				
Two uncovered scrap metal dumpsters	Accumulated stormwater	Varies	Dumpster	None
Assorted wood storage including, but not limited to, pallets and scrap wood	Wood	Varies	Not applicable	None
Miscellaneous equipment storage including, but not limited to, fork lifts, refueler trucks, mobile generators, trailers, tires, and GOVs	Diesel fuel, hydraulic fluid, or oil	Varies	Not applicable	None

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

Outdoor Material Storage

- | | | | |
|---|---|---|---|
| <input checked="" type="checkbox"/> Vehicle Storage | <input checked="" type="checkbox"/> Equipment Storage | <input checked="" type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input checked="" type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Cans/Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input checked="" type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input checked="" type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input type="checkbox"/> Other: _____ | | |

Comments:

HM/HW/POL Storage

- | | | | |
|--|--|--|--|
| <input checked="" type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input checked="" type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input checked="" type="checkbox"/> Compressed Gas | <input checked="" type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input checked="" type="checkbox"/> Corrosives | <input checked="" type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input checked="" type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input checked="" type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments:

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff and any spills occurring at the GOV parking area south of Building 2506 will flow south and west to nearby stormwater inlets and ultimately into Warwick River.
- Stormwater runoff and any spills occurring around Building 2505 will flow away from the facility to nearby stormwater inlets and ultimately into Warwick River.
- The facilities are located in drainage basin 042.

Current BMPs

- Secondary containment for Tank 2505-1 is provided by a double-walled tank.
- Tank 2505-1 is kept locked to restrict access.
- Spill kits are maintained in Buildings 2505 and 2506.

- The wash rack is covered and has a permanent berm.
- Drip pans are placed under GOVs parked outside.
- Drip pans are inspected after rain events.
- All maintenance is performed indoors.
- Facility personnel perform required monthly and quarterly inspections of the facility.
- Facility personnel are trained annually in good housekeeping, pollution prevention, material management, and spill prevention and response.

Notable Issues:

BLDG. 2505

- Tires are stored outside and exposed to stormwater.
- Scrap metal containers are exposed to stormwater.

**Buildings 2504, 2505, 2506, 2508, and 2510
Equipment Concentration Site #93 Photographs⁷⁹**



Photo 2504-1. Spill kit area(1)



Photo 2504-2. Spill kit and hazardous materials storage area



Photo 2504-3. Bulk material storage



Photo 2505-1. Spill kit area (2)



Photo 2505-2. Scrap metal stored outside



Photo 2505-3. Used oil AST (Tank 2505-1)

⁷⁹ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

**Buildings 2504, 2505, 2506, 2508, and 2510
Equipment Concentration Site #93 Photographs⁷⁹**



Photo 2505-4. Hazardous material storage (1)



Photo 2505-5. Solid waste/recycling containers



Photo 2505-6. Tire storage (2)



Photo 2505-7. Battery storage



Photo 2505-8. Materials storage (3)



Photo 2505-9. Spill kit area

**Buildings 2504, 2505, 2506, 2508, and 2510
Equipment Concentration Site #93 Photographs⁷⁹**



Photo 2505-10. Equipment Storage



Photo 2508-1. OWS-2505 for Wash Rack



Photo 2508-2. Holding Tank for OWS



Photo 2510-3. Covered Wash Rack

Facility Inspection Summary

Building Number(s):	2702, 2703, 2704, and 2705
Facility Name:	Motor Pool and Mud Rack
Organization:	597th Transportation Brigade
POC:	Mr. Sciria 757-878-7559
Discharge Receiving System(s):	Outfalls 042 and 046/Warwick River
Inspectors:	Scott Moler and Micah Miler
Date/Time:	13 Dec 2019/1030
Weather:	47°F, Cloudy

Facility Activities

Buildings 2702, 2703, and 2704 make up a shared motor pool that is used for various GOV maintenance and training activities. All chemicals are stored indoors or outdoors in HazMat lockers with drop floors. Chemicals and POL are typically transferred into the facility on an as-needed basis.

Building 2702 is a large facility where the majority of maintenance occurs. The facility has administrative offices in the central portion with large maintenance bays on either side. Maintenance activities are conducted on Humvees, light medium tactical vehicles (LMTVs), high mobility tactical vehicles (HMTVs), and heavy expanded mobility tactical truck (HEMTT) and are performed inside. Maintenance for Kalmars is typically performed outside on the pavement. Personnel generally use pop-up berms during all maintenance activities.

GOVs and other equipment, including, but not limited to, cranes and generators, are stored southwest of Building 2702 on a large paved area with multiple stormwater drains. Two large outdoor grease racks are located northeast of (behind) the building, that are no longer in use.

Building 2703 is used to store batteries and inactive lawn mowers. Building 2704 is used for storage and minimal maintenance activities.

Building 2705 is the Mud Rack. The Mud Rack is bermed and sloped in order to prevent stormwater run on. The Mud Rack is open to units on base for rinsing GOVs. Wash water from washing activities will flow to OWS-2705 via a trench drain and sand interceptor SI-2705. The system is equipped with an automatic diversion valve which routes flow to the sanitary sewer system when the wash rack is in use. Otherwise, stormwater discharges to the storm drainage system when the wash rack is not in use.

Inventory of Materials Potentially Exposed to Stormwater⁸⁰

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Mobile ASTs containing Jet A	Jet A	1,200 gallons	AST	Containment berm
AST (2702-3) containing used oil	Used oil	500 gallons	AST	Double-walled tank
Equipment storage including, but not limited to, mobile lighting units, mobile generators, portable fuel tanks (empty), all-terrain vehicles (ATVs), and GOVs	Diesel fuel, hydraulic fluid, or oil	Varies	Not applicable	None; not required
Outdoor wash rack equipped with diversion valve to Stormwater	Wash water	Varies	Not applicable	None; not required
Portable Causeway Sections	Metal	Varies	Not Applicable	None, not required
Uncovered metal recycling bin	Metal	Varies	Dumpster	None; not required
Uncovered wood recycling bin	Wood	Varies	Dumpster	None; not required

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

Outdoor Material Storage

- | | | | |
|---|---|--|---|
| <input checked="" type="checkbox"/> Vehicle Storage | <input checked="" type="checkbox"/> Equipment Storage | <input checked="" type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input checked="" type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input checked="" type="checkbox"/> Empty Cans/Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input checked="" type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input checked="" type="checkbox"/> Other: <u>Multiple CONEX boxes/portable causeway sections</u> | | |

Comments:

HM/HW/POL Storage

- | | | | |
|--|---|--|--|
| <input checked="" type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input checked="" type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input checked="" type="checkbox"/> Mobile Tank – diesel | <input checked="" type="checkbox"/> Compressed Gas | <input checked="" type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input checked="" type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input checked="" type="checkbox"/> AST – Used Oil |
| <input checked="" type="checkbox"/> Misc. Liquid in Drums | <input checked="" type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input checked="" type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments:

⁸⁰ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff and any spills occurring around Buildings 2702, 2703, 2704, and 2705 will flow to nearby catch basins and ultimately into Warwick River.
- Spills occurring on the wash rack will flow to OWS-2505 via a trench drain and SI-2505, which ultimately discharges to the sanitary sewer system. If the wash rack is not in use, spills will flow directly to the stormwater drainage system and ultimately discharge into Warwick River.
- The facility is located in drainage basins 042 and 046.

Current BMPs

- The used oil AST (2702-3) is kept locked to restrict access.
- Secondary containment for the used oil AST (2702-3) is provided by a double-walled tank.
- Drip pans are placed underneath equipment and GOVs when parked outside.
- Secondary containment for portable generator sets and GOVs is provided by pop-up berms, as needed.
- A Spill kit is maintained in Building 2702.
- P2 BMP Implementation: Absorbent materials, drip pans, HazMat locker, and spill pallets.
- Portable fuel tanks are stored on spill pallets.
- The wash rack is contained by concrete berms and curbing.
- The wash rack is equipped with a stormwater diversion valve to direct flow to the sanitary sewer when the wash rack is in use.
- Solid waste dumpster kept closed.
- Facility personnel perform required weekly, monthly, and quarterly inspections of the facility.
- Facility personnel are trained annually in good housekeeping, pollution prevention, material management, and spill prevention and response.

Notable Issues:

BLDG 2702

- Debris (small oil containers) were stored next to the used oil tank (2702-3).

BLDG 2704

- Drain plugs were missing from four secondary containment pallets.
- Leaves and a sheen were observed in one secondary containment pallet.
- Dumpster was missing a drain plug.
- Abandoned materials left outside.
- Leaf litter entering storm drain inlet.
- Roll offs containing scrap metal and scrap wood not covered; contents exposed to storm water.

BLDG 2705

- Debris collecting in drain.
- Trash observed.
- Large secondary containment pallet was collecting storm water.

**Buildings 2702, 2703, 2704, and 2705
Motor Pool and Mud Rack Photographs⁸¹**



Photo 2702-1. Solid waste dumpster and cardboard recycling bin



Photo 2702-2. Metal and wood recycling bins



Photo 2702-3. Equipment storage (1)



Photo 2702-4. Used oil tank



Photo 2702-5. Debris near used oil tank (2702-3)



Photo 2702-6. Debris near used oil tank (2702-3)

⁸¹ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

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JBLE - EUSTIS

Buildings 2702, 2703, 2704, and 2705
Motor Pool and Mud Rack Photographs⁸¹



Photo 2702-5. Hazardous material storage (1)



Photo 2702-6. Hazardous material storage (2)



Photo 2702-7. Hazardous material storage (3)



Photo 2702-8. Equipment storage (2)



Photo 2704-1. Equipment storage



Photo 2704-2. Vehicle secondary containment (1)

**Buildings 2702, 2703, 2704, and 2705
Motor Pool and Mud Rack Photographs⁸¹**



Photo 2704-3. Vehicle secondary containment (2)



Photo 2704-4. Filter box



Photo 2704-5. Equipment storage



Photo 2704-6. Vehicle secondary containment (3)



Photo 2704-7. Bulk materials storage (1)

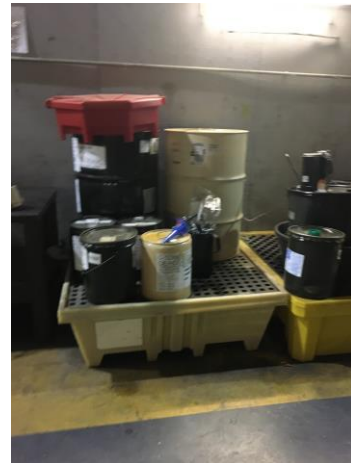


Photo 2704-8. Bulk materials storage(2)

**Buildings 2702, 2703, 2704, and 2705
Motor Pool and Mud Rack Photographs⁸¹**



Photo 2705-1. Equipment storage (1)



Photo 2705-2. Mud rack drain restricted



Photo 2705-2. Oil/water separator



Photo 2705-3. Mud Rack trash



Photo 2705-3. Secondary containment



Photo 2705-4. Secondary containment drain plug missing

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Facility Inspection Summary

Building Number(s): 2707
Facility Name: Lawn Mower Wash Rack
Organization: 733d CED/GMS
POC: POC not identified 878-3201
Discharge Receiving System(s): Outfall 046/Warwick River
Inspectors: Scott Moler
Date/Time: 19 Dec 2019/1400
Weather: 47°F, Sunny

Facility Activities

Building 2707 is the "Lawn Mower Wash Rack". The wash rack is uncovered and intended for rinsing only. No soaps are present or use in this location. Wash water from sand interceptor SI-2707 discharges to the sanitary sewer via OWS-2707. The wash rack area is not staffed. The system does not appear to be in operation.

Inventory of Materials Potentially Exposed to Stormwater⁸²

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Miscellaneous equipment storage including, but not limited to, locomotive wheels and railroad ties	Varies	Varies	Not applicable	None; not required

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

Outdoor Material Storage

- | | | | |
|---|---|--|---|
| <input checked="" type="checkbox"/> Vehicle Storage | <input checked="" type="checkbox"/> Equipment Storage | <input checked="" type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Cans/Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input checked="" type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input type="checkbox"/> Other: _____ | | |

Comments:

HM/HW/POL Storage

- | | | | |
|---|--|--|---|
| <input type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

⁸² Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

Comments:

No other HM/HW/POL storage outside.

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff and any spills occurring around Building 2707, excluding the wash rack area, will flow to nearby stormwater drains and ultimately into Warwick River.
- Wash water from washing activities at the wash rack flows to OWS-2707 via the sand interceptor.
- The facility is located in drainage basin 046.

Current BMPs

- The wash rack has permanent berms to prevent runoff.

Notable Issues: None

**Building 2707
Lawn Mower Wash Rack Photographs⁸³**



Photo 2707-1. Wash Rack Area



Photo 2707-2. OWS-2707 Area

⁸³ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

Facility Inspection Summary

Building Number(s): 2734
Facility Name: POL Refueling Yard
Organization: Logistics Readiness Division
POC: TSgt Lance 878-6096
Discharge Receiving System(s): Outfall 046/Warwick River
Inspectors: Scott Moler
Date/Time: 19 Dec 2019/1120
Weather: 34°F, Sunny

Facility Activities

Building 2734 is the POL Refueling Yard for GOVs and other authorized vehicles. The POL Refueling Yard is equipped with three USTs (15,000, 6,000, and 6,000 gallons) located at the fueling pad, used for bulk storage of Jet A, diesel fuel, and MOGAS, respectively. The four fueling stations and the refueling area are not covered. The POL Refueling Yard operates 24 hours a day and requires a fob to access fueling ports. Authorized personnel pump their own fuel.

Inventory of Materials Potentially Exposed to Stormwater⁸⁴

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
EDG with associated AST (2734-6) containing diesel fuel for Building 2734	Diesel fuel	Unavailable	AST	Double-walled tank
UST containing Jet A ^b	Jet A	15,000 gallons	UST	Unknown
UST containing diesel fuel	Diesel fuel	6,000 gallons	UST	Unknown
UST containing MOGAS	MOGAS	6,000 gallons	UST	Unknown

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

^b UST loading and unloading practices, including oversight during these activities are discussed in the base ICP and SPCC Plan, which have been incorporated into this SWPPP by reference.

Outdoor Material Storage

- | | | | |
|--|--|---|--|
| <input type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Equipment Storage | <input type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Tire Storage | <input type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Cans/Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input checked="" type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input type="checkbox"/> Other: _____ | | |

Comments:

⁸⁴ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

HM/HW/POL Storage

- | | | | |
|---|--|--|--|
| <input type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input checked="" type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input checked="" type="checkbox"/> Waste | <input checked="" type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments:

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff and any spills occurring on the northern side of the fueling pad will flow off the pad onto the pavement and north to nearby stormwater inlets, ultimately into Warwick River.
- Stormwater runoff and any spills occurring on the southern side of the fueling pad will flow off the pad onto the grass and south and west to a nearby stormwater ditch ultimately into Warwick River.
- The facility is located in drainage basin 046.

Current BMPs

- Use of fuel pumps is restricted to authorized personnel.
- An emergency shutoff button is present in the fueling area.
- The fueling pad is elevated and graded to prevent stormwater run on.
- High-level alarms on the USTs alert when a UST may be overfilled.
- P2 BMP Implementation: Absorbent materials and spill kit.
- Facility personnel perform required monthly and quarterly inspections of the facility.
- Facility personnel are trained annually in good housekeeping, pollution prevention, material management, and spill prevention and response.

Notable Issues:

BLDG 2734

Staining of the concrete pads observed.

Building 2734
POL Refueling Yard Photographs⁸⁵



Photo 2734-1. Refueling area



Photo 2734-2. Refueling area pumps (1)



Photo 2734-3. Spill kit



Photo 2734-4. EDG for Building 2734



Photo 2734-5. Refueling area pumps (2)

⁸⁵ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

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Facility Inspection Summary

Building Number(s):	2735, 2742, and 2745
Facility Name:	Temporary Dispatch Office and Automatic Wash Rack
Organization:	E-GOV Travel Service Transportation Services
POC:	Mr. Pathaway 878-4494
Discharge Receiving System(s):	Outfall 046/Warwick River
Inspectors:	Scott Moler
Date/Time:	19 Dec 2019/1320
Weather:	34°F, Sunny

Facility Activities

Building 2735 is the Transportation Services Temporary Dispatch Office. This office issues buses, vans, cars, and other vehicles to organizations for official government use. Vehicles are parked on the paved area south of Building 2735. All maintenance is performed off-site.

Two vehicle wash buildings (Buildings 2742 and 2745) are located south of Building 2735. Building 2742 is a covered GOV wash rack with two manual wash bays and a wash water recycling system. Neither wash bay is active. Building 2745 is an automatic GOV car wash, which routes wash water to an OWS. The automatic car wash is not in use.

Inventory of Materials Potentially Exposed to Stormwater⁸⁶

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Equipment storage including, but not limited to, GOVs, buses, backhoes, cars, and trucks	Diesel fuel, hydraulic fluid, or oil	Varies	Not applicable	None; not required

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

Outdoor Material Storage

- | | | | |
|---|---|---|---|
| <input checked="" type="checkbox"/> Vehicle Storage | <input checked="" type="checkbox"/> Equipment Storage | <input type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Cans/Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input checked="" type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input type="checkbox"/> Other: _____ | | |

Comments:

⁸⁶ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

HM/HW/POL Storage

- | | | | |
|--|--|--|--|
| <input checked="" type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input checked="" type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input checked="" type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST - Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments:

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff and any spills occurring in the parking area located south of Building 2735 will flow to a central stormwater drain and ultimately into Warwick River.
- The facility is located in drainage basin 046.

Current BMPs

- The automatic wash rack (Building 2745) is connected to the sanitary sewer system.
- The manual wash bays are covered.
- Facility personnel perform required monthly and quarterly inspections of the facility.
- Facility personnel receive training annually in good housekeeping, pollution prevention, material management, and spill prevention and response.

Notable Issues: None

Buildings 2735, 2742, and 2745
Temporary Dispatch Office and Automatic Wash Rack Photographs⁸⁷



Photo 2735-1. Solid waste dumpster



Photo 2735-2. Rental vehicle parking area



Photo 2742-1. Outdoor trench drain



Photo 2742-2. OWS



Photo 2742-3. Manual wash bay



Photo 2745-1. Automatic GOV car wash

⁸⁷ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

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Facility Inspection Summary

Building Number(s):	2743
Facility Name:	508th Transportation Motor Pool
Organization:	508th Tactical Army Command (TACOM) Maintenance
POC:	Mr. Williams 878-0570
Discharge Receiving System(s):	Outfall 046/Warwick River
Inspectors:	Scott Moler
Date/Time:	10 Dec 2019/1320
Weather:	Sunny, 64°F

Facility Activities

Building 2743 and the surrounding parking areas make up the 508th Transportation Motor Pool compound. Personnel conduct maintenance on military tactical vehicles. A large tent was constructed in July/August of 2013 to provide facility personnel an additional location to conduct maintenance and store equipment/materials. Facility personnel indicated that minor maintenance and training is performed inside the building. Major maintenance on larger vehicles is performed under the tent by TACOM. Floor drains in the facility are connected to the sanitary sewer system. GOVs and other equipment are stored outside on the paved area north of the building. A steam condensate line from the roof drains onto the pavement on the southeast side of building.

Facility Observations

- Drip pans are located beneath parked vehicles; however, many are full of water.
- Sand bags located around the weapons clearing station are deteriorating.

Inventory of Materials Potentially Exposed to Stormwater⁸⁸

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
AST containing used oil (2743-1)	Used oil	500 gallons	AST	Double-walled tank
Equipment storage including, but not limited to, GOVs, trailers, cranes, mobile lights, and forklifts	Diesel fuel, hydraulic fluid, or oil	Varies	Not applicable	None; not required
Assorted wood storage including, but not limited to, scrap wood, crates, and pallets	Wood	Varies	Not applicable	None; not required
Two heaters for the maintenance tent include diesel fuel tanks	Diesel fuel	30-gallons each	AST	None
Uncovered metal recycling bin	Metals	Varies	Dumpster	None; not required

⁸⁸ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Sand bags stored outside and uncovered	Sand	Varies	Not applicable	None; not required

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

Outdoor Material Storage

- | | | | |
|---|---|--|---|
| <input checked="" type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Equipment Storage | <input checked="" type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input checked="" type="checkbox"/> Empty Cans/Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input checked="" type="checkbox"/> Wood/Lumber | <input checked="" type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input checked="" type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input type="checkbox"/> Other: _____ | | |

Comments:

HM/HW/POL Storage

- | | | | |
|--|---|--|--|
| <input checked="" type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input checked="" type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input checked="" type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input checked="" type="checkbox"/> Corrosives | <input checked="" type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input checked="" type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input checked="" type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input checked="" type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments: A portable battery room is located on site.

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff and any spills occurring around Building 2743 will flow away from the building to nearby stormwater inlets and ultimately flow to Warwick River.
- Stormwater runoff and any spills occurring in the GOV parking/storage area will flow towards the center of the parking area to a stormwater drain and ultimately into Warwick River.
- The facility is located in drainage basin 046.

Current BMPs

- All maintenance activities are performed indoors or under cover.
- The HazMat storage buildings are locked to restrict access.
- The used oil AST is locked to restrict access.
- Secondary containment for the used oil AST is provided by a double-walled tank.
- Drip pans are placed under GOVs parked outside.
- Solid waste dumpster is kept closed when not in use.
- Spill kits are maintained in Building 2743 and in the large maintenance tent.
- A pop-up containment berm is used in the maintenance tent.

- Facility personnel perform required monthly and quarterly inspections of the facility.
- Facility personnel are trained annually in good housekeeping, pollution prevention, material management, and spill prevention and response.

Notable Issues:

BLDG 2743

- Roll-off containing scrap metal not covered; stormwater mixed with oil accumulated in the roll-off.
- Drip pans are located beneath parked vehicles; however, many are full of water.

Building 2743
508th Transportation Motor Pool Photographs⁸⁹



Photo 2743-1. Hazardous material storage



Photo 2743-2. Scrap metal/recycling roll-off



Photo 2743-3. Spill kit



Photo 2743-4. Used oil AST



Photo 2743-5. Solid waste dumpster and cardboard recycling bin



Photo 2743-6. Equipment and GOV storage

⁸⁹ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

Building 2743
508th Transportation Motor Pool Photographs⁸⁹



Photo 2743-7. Scrap wood



Photo 2743-8. Material dispensing system



Photo 2743-9. Parts washer

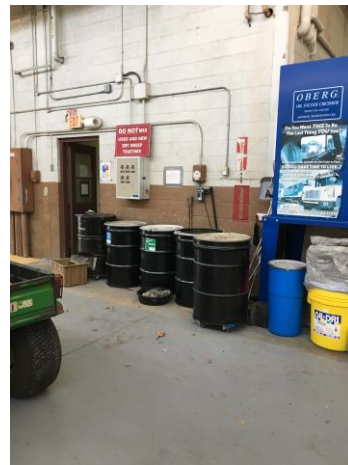


Photo 2743-10. Waste collection area



Photo 2743-10. Large vehicle maintenance area

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Facility Inspection Summary

Building Number(s):	2744
Facility Name:	Motor Pool/Engineering Department
Organization:	U.S. Coast Guard Port Security Unit 305
POC:	Lt Wong-Reiss 878-5922 ext 228
Discharge Receiving System(s):	Outfall 046/Warwick River
Inspectors:	Scott Moler
Date/Time:	10 Dec 2019/1300
Weather:	63°F, Cloudy

Facility Activities

Building 2744 is the U.S. Coast Guard Motor Pool and Engineering Department. Facility personnel conduct routine maintenance, such as oil changes and washing of the Coast Guard boats. Personnel indicated that maintenance conducted on the boats is primarily done indoors and occasionally is performed outside under the storage area covers. A wash rack is located southwest of the building. Wash water flows to the central trench drain leading to OWS-2744 before being discharged to the sanitary sewer system. The wash rack is equipped with a diversion valve to allow stormwater to flow to the stormwater drainage system.

Self-contained solvent tanks for weapons cleaning are located inside the building. HazMat lockers are also on site to store waste and new products. Equipment is stored in a locked compound next to Building 2744.

Inventory of Materials Potentially Exposed to Stormwater⁹⁰

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Heavy equipment storage including, but not limited to, cranes, portable air conditioning units, forklifts, mobile generators, boats, ATVs, and GOVs	Diesel fuel, hydraulic fluid, or oil	Varies	Not applicable	None; not required
Equipment storage including, but not limited to, lawn mower and trailers	Varies	Varies	Not applicable	None; not required
Assorted wood storage including, but not limited to, pallets, crates, and plywood	Wood	Varies	Not applicable	None; not required
Assorted metal storage including, but not limited to, pallets and spent brass	Metals	Varies	Not applicable	None; not required

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

⁹⁰ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

Outdoor Material Storage

- | | | | |
|---|--|---|---|
| <input checked="" type="checkbox"/> Vehicle Storage | <input checked="" type="checkbox"/> Equipment Storage | <input checked="" type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Cans/Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input checked="" type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input checked="" type="checkbox"/> Munitions Storage | <input checked="" type="checkbox"/> Other: <u>CONEX boxes, covered boat storage, spent brass</u> | | |

Comments:

HM/HW/POL Storage

- | | | | |
|--|--|--|---|
| <input checked="" type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input checked="" type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input checked="" type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input checked="" type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments:

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff and any spills occurring around Building 2744, but not on the wash rack, will flow to nearby stormwater inlets and ultimately flow to Warwick River.
- Spills occurring on the wash rack will flow to OWS-2744 located just south of the wash pad, which ultimately discharges to the sanitary sewer system. If the wash rack is not in use, spills would flow directly to the stormwater drainage system, ultimately discharging to Warwick River.
- The facility is located in drainage basin 046.

Current BMPs

- Drip pans are placed under boat motors.
- Portable generators are stored under cover.
- Spill kits are maintained in the facility and in the outdoor covered storage area.
- P2 BMP Implementation: Absorbent materials, drip pans, and a HazMat locker.
- Boats are stored under cover.
- The wash rack is connected to the sanitary sewer system.
- The wash rack is surrounded by concrete berms and curbing.
- OWS-2744 is equipped with a high-level alarm.
- During wash rack use, an automatic diversion system (via a solenoid valve) directs flow to the OWS and sanitary sewer when the potable water is turned on.
- Solid waste dumpster is kept closed when not in use.
- Facility personnel perform required monthly and quarterly inspections of the facility.
- Facility personnel are trained annually in good housekeeping, pollution prevention, material management, and spill prevention and response.

Notable Issues:

BLDG 2744

- Oils observed in secondary containment.
- Dumpster drain plug is broken.

Building 2744
Motor Pool/Engineering Department Photographs⁹¹



Photo 2744-1. Portable generator storage



Photo 2744-2. Equipment storage (1)



Photo 2744-3. Covered boat storage



Photo 2744-4. Covered outdoor storage



Photo 2744-5. Wash rack area



Photo 2744-6. OWS-2744

⁹¹ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

Building 2744
Motor Pool/Engineering Department Photographs⁹¹



Photo 2744-8. Hazardous Material Storage

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Facility Inspection Summary

Building Number(s):	2750
Facility Name:	USATSCH Rail Training Complex
Organization:	USATSCH (Contractor Operated)
POC:	Mr. Middleton 878-3201
Discharge Receiving System(s):	Outfalls 042 and 046/Warwick River
Inspectors:	Scott Moler
Date/Time:	10 Dec 2019/1320
Weather:	Sunny, 64°F

Facility Activities

Building 2750 is the U.S. Army Transportation School (USATSCH) Rail Training Complex. This facility is split into multiple users. The northern portion of the building is associated with USATSCH training classrooms and administrative offices as well as a clothing/canvas repair shop operated by Skookum. The central portion of the facility is a heavy vehicle maintenance repair area and a locksmith/small engine repair shop maintained by SRI. The southern portion is used for locomotive maintenance, which is operated by Executive Technology Solutions (ETS). Used oil tanks and diesel tanks are located outdoors. ETS has three locomotive engines that are primarily used for training. Locomotive training is conducted 90% of time and the other 10% of the time they support base logistics. ETS performs minor maintenance (e.g., lubrication, oil changes) and a third-party company is retained to perform the heavy maintenance. All maintenance work is performed inside.

The locomotives are equipped with auto sanders for the tracks and use approximately 100 gallons of sand per engine per year. Sanding the tracks is performed when ice, rain, or heavy loads are encountered. Sand is used under locomotive wheels for traction as needed on the railroad tracks throughout the base.

An area behind the facility is used by the base landscaping contractor, Prestige. Behind the facility, a local historical group is restoring an old hospital rail car, which will be relocated to Lee Hall rail station. The operation includes sanding, welding, priming, and painting. All processes are accomplished outside. In addition, the 733rd Logistics Readiness Squadron (LRS/LGRV) has moved into the front portion of the rail car maintenance area. This unit works part time out of this facility performing maintenance on the base Fire Department and Emergency Medical Services (EMS) vehicles.

A sanitary sewer lift station is located near the northwest corner of the building.

Inventory of Materials Potentially Exposed to Stormwater⁹²

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Two 500-gal double-walled ASTs (2750-2 and 2750-4) containing used oil	Used oil	1,000 gallons	AST	Double-walled tank

⁹² Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

2019 COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
JBLE - EUSTIS

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Equipment storage including, but not limited to, cranes, forklifts, tractors, lawn mowers, a street sweeper, railcar, railcar accessories, and GOVs	Diesel fuel, hydraulic fluid, or oil	Varies	Not applicable	None; not required
Material storage including, but not limited to, tires, U-bolts, and other miscellaneous equipment attachments	Varies	Varies	Not applicable	None; not required
Uncovered metal recycling bin	Metals	Varies	Dumpster	None; not required
Uncovered wood recycling bin	Wood	Varies	Dumpster	None; not required

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

Outdoor Material Storage

- | | | | |
|---|---|--|---|
| <input checked="" type="checkbox"/> Vehicle Storage | <input checked="" type="checkbox"/> Equipment Storage | <input checked="" type="checkbox"/> Misc. Metals | <input checked="" type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input checked="" type="checkbox"/> Empty Cans/Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input checked="" type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input checked="" type="checkbox"/> Other: <u>2 large water tanks</u> | | |

Comments:

HM/HW/POL Storage

- | | | | |
|--|---|--|--|
| <input checked="" type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input checked="" type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input checked="" type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input checked="" type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input checked="" type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input checked="" type="checkbox"/> AST – Used Oil |
| <input checked="" type="checkbox"/> Misc. Liquid in Drums | <input checked="" type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input checked="" type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments:

Description of Stormwater Entry Points and Ultimate Outfall Point

- Spills occurring inside the facility will flow to the sanitary sewer system.
- Stormwater runoff and any spills occurring around Building 2750 will flow to nearby stormwater inlets and ultimately into Warwick River.
- The facility is located in drainage basins 042 and 046.

Current BMPs

- One of the used oil ASTs is locked to restrict access.

- The diesel and gasoline AST nozzles are locked to restrict access.
- Drip pans are placed under GOVs parked outside.
- Drip pans are inspected after rain events.
- Drip pans are checked for sheen before dumping.
- Spill kits are located inside facility.
- P2 BMP Implementation: Absorbent materials, drip pans, HazMat locker, and spill pallets.
- Secondary containment for the used oil ASTs (2750-2 and 2750-4) is provided via the double-walled tank.
- The solid waste dumpster is kept closed when not in use.
- Facility personnel perform required monthly and quarterly inspections of the facility.
- Facility personnel are trained annually in good housekeeping, pollution prevention, material management, and spill prevention and response.

Notable Issues:

BLDG 2750

- Materials stored in flammable lockers' secondary containment.
- Roll-off not covered; contents are exposed to stormwater.

**Building 2750
USATSCH Rail Training Complex Photographs⁹³**



Photo 2750-1. Spill kit



Photo 2750-2. Used oil AST (2750-4)



Photo 2750-3. Hazardous materials storage



Photo 2750-4. Diesel AST



Photo 2750-5. Roll-off recycling bins



Photo 2750-6. Material storage

⁹³ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

Building 2750
USATSCH Rail Training Complex Photographs⁹³



Photo 2750-7. Equipment storage (1)



Photo 2750-8. Bulk material storage

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Facility Inspection Summary

Building Number(s):	3301
Facility Name:	Brigade 128 S4
Organization:	Headquarters & Headquarters Command (HHC) 128th AVN BDE
POC:	Mr. Dalgleish 878-7633
Discharge Receiving System(s):	Outfall 046/Warwick River
Inspectors:	Scott Moler and Micah Miller
Date/Time:	13 Dec 2019/1124
Weather:	48°F, sprinkling

Facility Activities

Building 3301 is a supply storage hangar that provides support for the HHC 128th AVN BDE facility. Personnel reported that maintenance is no longer conducted on-site. Some equipment comes from the Brigade containing fluids. Facility personnel ensure that the fluids are drained prior to equipment being packaged and shipped out. No washing is conducted on site and used oil is provided to the test cell located next door. The welding area appears to have been shut down.

Inventory of Materials Potentially Exposed to Stormwater⁹⁴

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Equipment storage including, but not limited to, forklifts, trailers, and mobile generators	Diesel fuel, hydraulic fluid, or oil	Varies	Not applicable	None; not required
Aircraft and aircraft parts storage including helicopters and helicopter blades	Diesel fuel, hydraulic fluid, or oil	Varies	Not applicable	None; not required
Uncovered metal recycling bin	Metals	Varies	Dumpster	None; not required

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

Outdoor Material Storage

- | | | | |
|---|--|---|--|
| <input checked="" type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Equipment Storage | <input checked="" type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Cans/Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input type="checkbox"/> Other: _____ | | |

Comments:

⁹⁴ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

HM/HW/POL Storage

- | | | | |
|---|--|--|---|
| <input type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments: No HM/HW/POL storage outside

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff and any spills occurring around Building 3301 will flow either north or south along the paved area to nearby stormwater inlets and ultimately flow to Warwick River.
- The facility is located in drainage basin 046.

Current BMPs

- Heavy equipment is kept under cover when not in use.
- Drip pans are placed under GOVs parked outside.
- Spill kits are located inside the facility.
- P2 BMPs Implementation: absorbents/rags, drip pans, SOPs, and signage
- The solid waste dumpster is closed when not in use.
- Facility personnel perform required monthly and quarterly inspections of the facility.
- Facility personnel are trained annually in good housekeeping, pollution prevention, material management, and spill prevention and response.

Notable Issues: None

**Building 3301
Brigade 128 S4 Photographs⁹⁵**

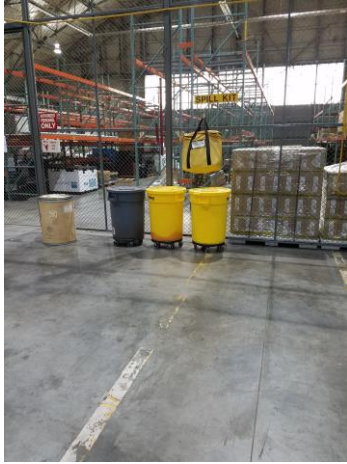


Photo 3301-1. Spill kit



Photo 3301-2. Metal and wood roll-off recycling bins



Photo 3301-3. Solid waste dumpster



Photo 3301-4. Equipment storage(1)



Photo 3301-5. Equipment storage(2)

⁹⁵ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

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Facility Inspection Summary

Building Number(s): 3302
Facility Name: Warrior Training Alliance Warehouse
Organization: Warrior Training Alliance
POC: Mr. Dalglish 878-7633
Discharge Receiving System(s): Outfall 046/Warwick River
Inspectors: Scott Moler
Date/Time: 10 Dec 2019/1320
Weather: 48°F sprinkling

Facility Activities

Building 3302 is used as a warehouse to store various materials, including chemicals, to be used for do-it-yourself projects. At the time of the next permit renewal (2020), Building 3302 should be removed from the facility listing as an industrial area.

Inventory of Materials Potentially Exposed to Stormwater⁹⁶

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
No significant observations	-	-	-	-

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

Outdoor Material Storage

- | | | | |
|--|--|--|---|
| <input type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Equipment Storage | <input checked="" type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input checked="" type="checkbox"/> Empty Cans/Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input type="checkbox"/> Other: _____ | | |

Comments:

HM/HW/POL Storage

- | | | | |
|--|--|--|---|
| <input checked="" type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input checked="" type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input checked="" type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input checked="" type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments:

⁹⁶ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff and any spills occurring on the paved area will flow toward the center of the paved area to nearby stormwater drains that ultimately flow into Warwick River.
- Stormwater runoff and any spills occurring north and east of Building 3302 will flow to nearby stormwater inlets and ultimately into Warwick River.
- The facility is located in drainage basin 046.

Current BMPs

- None

Notable Issues: None

Building 3302
Warrior Training Alliance Warehouse Photographs⁹⁷



Photo 3302-1. Hazardous material storage



Photo 3302-2. Lift station with EDG and associated AST



Photo 3302-3. Hazardous material storage



Photo 3302-4. Bark mulch pile

⁹⁷ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

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Facility Inspection Summary

Building Number(s):	3506, 3510, 3515, 3525, 3534, 3535, and 3537
Facility Name:	Golf Course Maintenance
Organization:	633rd Force Support Squadron
POC:	Jake Adams 878-2252
Discharge Receiving System(s):	Sheet Flow – not in a drainage basin
Inspectors:	Scott Moler and Joanna Bateman
Date/Time:	13 Nov 2019/1422
Weather:	Sunny 64°F

Facility Activities

Buildings 3506, 3510, 3515, 3525, 3534, 3535, and 3537 comprise the Golf Course Maintenance Compound. See the table below for a list of buildings within the compound and a description of the facility activities for each building. The pesticide mixing area, Building 3515, has an inoperable recycling system. Personnel have indicated that overfills have occurred while handling pesticides in the past, which were contained in the bermed area.

There is an irrigation pump house, Building 3537, located north of the main compound. The pump house has an approximately 10,000-gallon AST that is used to store ground water to be used during drier months (i.e., June and July) for golf course irrigation purposes. Personnel indicated that either city water or groundwater can be used.

Building Number	Facility Use and/or Activities
3506	Administration office/Equipment maintenance
3510	Dry storage (tires, truck, pallets) – large storage container with piping
3515	Pesticide storage/mixing
3525	Wash rack and wash water recycling system
3534	Lawn mower storage, hazardous material storage (flammable locker)
3535	Miscellaneous dry storage, empty fertilizer spreaders
3537	Irrigation pump house, including a 10,000-gallon AST

Inventory of Materials Potentially Exposed to Stormwater⁹⁸

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Building 3506				
Equipment maintenance	Hydraulic fluid or oil	Varies	Not applicable	None; not required
Miscellaneous scrap metal storage	Metals	Varies	Not applicable	None; not required
Building 3510				
Lawn maintenance equipment storage including, but not limited to, lawn mower tires and tractor attachments	Hydraulic fluid or oil	Varies	Not applicable	None; not required
Assorted wood storage including, but not limited to, pallets	Wood	Varies	Not applicable	None; not required
Material storage including, but not limited to, cement blocks	Cement	Varies	Not applicable	None; not required
Buildings 3515 and 3525				
Equipment storage including, but not limited to, forklifts	Diesel fuel, hydraulic fluid, or oil	Varies	Not applicable	None; not required
Miscellaneous metal storage including, but not limited to, pallets	Metals	Varies	Not applicable	None; not required
Material storage including, but not limited to, PVC piping	PVC piping	Varies	Not applicable	None; not required
Building 3534				
AST (3534-1) containing diesel fuel and gasoline	Diesel fuel and gasoline	500 gallons of each fuel	AST	Double-walled tank
Lawn maintenance equipment storage including, but not limited to, tractors, mowers, and mower attachments	Diesel fuel, gasoline, hydraulic fluid, or oil	Varies	Not applicable	None; not required
Building 3537				
Steel AST containing irrigation water	Irrigation water	10,000 gallons	AST	None
Equipment storage including, but not limited to, trailers	Hydraulic fluid or oil	Varies	Not applicable	None; not required
Assorted wood storage including, but not limited to, railroad ties and pallets	Wood	Varies	Not applicable	None; not required
Miscellaneous scrap metal storage	Metals	Varies	Not applicable	None; not required

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

⁹⁸ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

Outdoor Material Storage

- | | | | |
|---|---|--|---|
| <input checked="" type="checkbox"/> Vehicle Storage | <input checked="" type="checkbox"/> Equipment Storage | <input checked="" type="checkbox"/> Misc. Metals | <input checked="" type="checkbox"/> Plastic Rubber |
| <input checked="" type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input checked="" type="checkbox"/> Empty Cans/Drums/Tanks | <input checked="" type="checkbox"/> Aggregate Storage |
| <input checked="" type="checkbox"/> Wood/Lumber | <input checked="" type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input checked="" type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input type="checkbox"/> Other: _____ | | |

Comments:

HM/HW/POL Storage

- | | | | |
|--|---|--|--|
| <input checked="" type="checkbox"/> Flammables in Cabinets | <input checked="" type="checkbox"/> Flammables in Drums | <input checked="" type="checkbox"/> POL | <input checked="" type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input checked="" type="checkbox"/> Compressed Gas | <input checked="" type="checkbox"/> Waste | <input checked="" type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input checked="" type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input checked="" type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input checked="" type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments:

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff and any spills occurring around Building 3506 will flow north and east via sheet flow and infiltrate into the ground.
- Stormwater runoff and any spills occurring north of Buildings 3515 and 3525 will flow north via sheet flow and infiltrate into the ground.
- Stormwater runoff and any spills occurring east and south of Buildings 3515 and 3525 will flow southeast via sheet flow and infiltrate into the ground.
- Stormwater runoff and any spills occurring around Buildings 3510 and 3534 will flow southeast via sheet flow and infiltrate into the ground.
- Stormwater runoff and any spills occurring around Building 3535 will flow north and east via sheet flow and infiltrate into the ground.
- Stormwater runoff and any spills occurring around Building 3537 will flow south through the woods and infiltrate into the ground.
- Sheet flow – not in a drainage basin.

Current BMPs

- A spill kit is located in Building 3515.
- Secondary containment for Tank 3534-1 is provided by a double-walled tank.
- Building 3534 houses three flammable lockers sitting on pallets to protect them from water.
- Building 3515 personnel have implemented standard operating procedures for pesticide mixing.
- Drip pans are used under equipment.
- The solid waste dumpster is closed when not in use.
- Facility personnel perform required daily, weekly, monthly, and quarterly inspections of the facility.

- Facility personnel are trained annually in good housekeeping, pollution prevention, material management, and spill prevention and response.

Notable Issues:

BLDG 3506

- Poor housekeeping around the facility. Trash, spare parts, and empty containers were stored outside and exposed to stormwater.

BLDG 3510

- Poor housekeeping around the facility.
- Used oil drum has oil residue around the top and the drum was open (lid was removed).

BLDG 3515

- Poor housekeeping around the facility.

BLDG 3534

- Poor housekeeping around the facility.

**Buildings 3506, 3510, 3515, 3525, 3534, 3535, and 3537
Golf Course Maintenance Photographs⁹⁹**



Photo 3506-1. Equipment storage (1)



Photo 3506-2. Maintenance facility



Photo 3506-3. Equipment storage (2)



Photo 3506-4. Equipment storage (3)



Photo 3510-5. Used oil storage



Photo 3510-6. Equipment storage

⁹⁹ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

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**Buildings 3506, 3510, 3515, 3525, 3534, 3535, and 3537
Golf Course Maintenance Photographs⁹⁹**



Photo 3515-1. Equipment storage (1)



Photo 3515-2. Pesticide storage area



Photo 3515-3. Spill kit



Photo 3515-4. Trash dumpster



Photo 3534-1. Diesel and gasoline AST (3534-1)



Photo 3534-2. Hazardous material storage



Photo 3534-3. Equipment storage

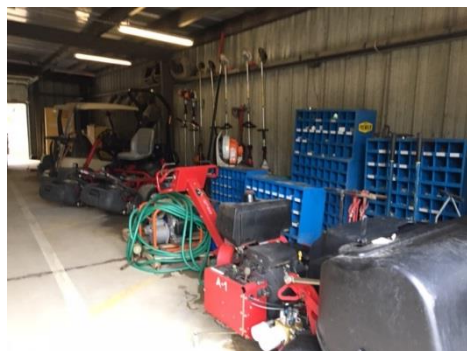


Photo 3534-4. Equipment storage

Buildings 3506, 3510, 3515, 3525, 3534, 3535, and 3537
Golf Course Maintenance Photographs⁹⁹



Photo 3534-5. Broken concrete



Photo 3535-1. Equipment storage



Photo 3537-1. Irrigation pump house AST



Photo 3537-2. Irrigation pump house AST



Photo 3537-3. Equipment storage

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Facility Inspection Summary

Building Number(s):	3507, 3509, 3512, 3514, 3517, 3519, 3523, and 3528
Facility Name:	AATD Experimental Fabrication Branch
Organization:	AATD
POC:	Mr. Wisner 878-5399
Discharge Receiving System(s):	Outfalls 074, 132, and 133 – Morrison’s Creek
Inspectors:	Building 3509: Sheet flow – not in a drainage basin
Date/Time:	Scott Moler
Weather:	5 Dec 2019/1346
	Sunny, 42°F

Facility Activities

Buildings 3507, 3509, 3512, 3514, 3517, 3519, 3523, and 3528 comprise the AATD Experimental Fabrication Branch Compound. See the table below for a list of buildings within the compound and a description of the facility activities for each building. This compound is for aircraft parts and engine maintenance, fabrication, and testing. AATD has several facilities for the fabrication of parts, welding/painting/testing, and storage. The Countermeasures Test Facility (CTF) has a maintenance shop and engine test cell. Engine testing is conducted behind Building 3517. The CTF engine test building has a cooling tower that discharges to stormwater. All maintenance at Building 3517 conducted indoors.

Building Number	Facility Use and/or Activities
3507	Objective Force Capabilities (OFC), tool crib, and welding shop
3509	Sheet metal, model, and paint shops
3512	Sanitary sewer lift station
3514	CTF shop
3517	CTF Engine Testing Facility
3519	AATD warehouse (The building is divided into two sections: A and B.) A – Warehouse and shipping/receiving B – Storage/tool room and quality assurance test room
3523	Storage warehouse
3528	Machine shop

Inventory of Materials Potentially Exposed to Stormwater¹⁰⁰

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
AST (3507-2) located at Building 3507	Fuel oil	500 gallons	AST	Double-walled tank
AST (3509-2) located at Building 3509	Fuel oil	500 gallons	AST	Double-walled tank
AST (3512-1) located at Building 3512 for lift station generator	Diesel fuel	110 gallons	AST	Double-walled tank
AST (3517-1) located at Building 3517 used for engine testing	Jet A	500 gallons	AST	Double-walled tank
AST (3523-1) located at Building 3523	Fuel oil	500 gallons	AST	Double-walled tank
Liquid nitrogen tank	Liquid nitrogen	396 gallons	Steel pressure tank	None
Miscellaneous material storage including, but not limited to, scrap metal, old pipes, and signs	Varies	Varies	Not applicable	None; not required
Miscellaneous equipment storage including, but not limited to, trailers, cranes, and forklifts.	Diesel fuel, hydraulic fluid, and oil	Varies	Not applicable	None; not required
Assorted wood storage including, but not limited to, pallets and scrap wood	Wood	Varies	Not applicable	None; not required
Cooling tower and associated reservoir located on west side of Building 3517	Cooling tower water	Unknown	Reservoir	None
Uncovered solid waste dumpster	Accumulated stormwater	Varies	Dumpster	None; not required
Uncovered metal recycling bin	Metal	Varies	Dumpster	None; not required

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

Outdoor Material Storage

- | | | | |
|---|---|--|---|
| <input checked="" type="checkbox"/> Vehicle Storage | <input checked="" type="checkbox"/> Equipment Storage | <input checked="" type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input checked="" type="checkbox"/> Empty Cans/Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input checked="" type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input type="checkbox"/> Other: _____ | | |

Comments:

¹⁰⁰ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

HM/HW/POL Storage

- | | | | |
|--|--|---|--|
| <input checked="" type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input checked="" type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input checked="" type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input checked="" type="checkbox"/> AST – Diesel |
| <input checked="" type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input checked="" type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input checked="" type="checkbox"/> Paint and Paint Waste | <input checked="" type="checkbox"/> AST – Fuel Oil |
| <input checked="" type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments:

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff and any spills occurring in the area around Buildings 3507, 3509, and on the south side of 3519 will flow southwest across the paved areas and into the grass or to various stormwater drains located within the paved areas around the buildings and ultimately into Morrison's Creek.
- Stormwater runoff and any spills occurring in the area around Building 3528 will flow southeast across the paved area and into the grass and ultimately into Morrison's Creek.
- Stormwater runoff and any spills occurring in the area around Buildings 3514 and 3523 will flow southeast across the grass or along the stormwater ditch east of Building 3523 and ultimately into Morrison's Creek.
- Stormwater runoff and any spills occurring in the area around Buildings 3517 will flow northeast across the grass to nearby stormwater drains and ultimately into Morrison's Creek.
- The facilities (Buildings 3507, 3508, 3514, 3519, 3523, and 3528) are located in drainage basins 074, 132, and 133.
- Building 3509: Sheet flow – not in a drainage basin.

Current BMPs

- Scrap metal is stored under a covered area at Building 3528.
- Spill kits are located inside Buildings 3509 and 3519B.
- P2 BMP Implementation: Absorbent materials, drip pans, HazMat lockers, spill kits, and spill pallets.
- All maintenance activities are performed indoors.
- All floor wash water is containerized.
- Facility personnel supervise filling of fluid to metal working equipment.
- Generation of alodine waste is minimized at the paint shop by reusing the solution when possible.
- There are no equipment washing activities at these facilities.
- Facility personnel perform required monthly and quarterly inspections of the facility.
- Facility personnel are trained annually in good housekeeping, pollution prevention, material management, and spill prevention and response.

Notable Issues:

BLDG 3528

- Metal shavings from cutting operations were observed on the ground and exposed to storm water.

**Buildings 3507, 3509, 3512, 3514, 3517, 3519, 3523, and 3528
AATD Experimental Fabrication Branch Photographs¹⁰¹**



Photo 3507-1. Fuel oil AST (3507-2)



Photo 3509-1. Fuel oil AST (3509-2)



Photo 3509-2. Saw dust collection unit



Photo 3512-1. Diesel AST for generator (3512-1)



Photo 3517-1. Equipment storage



**Photo 3517-2. Jet A AST for engine testing
(3517-1)**

¹⁰¹ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

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Buildings 3507, 3509, 3512, 3514, 3517, 3519, 3523, and 3528
AATD Experimental Fabrication Branch Photographs¹⁰¹



Photo 3519-1. Scrap wood



Photo 3523-1. Equipment storage (1)



Photo 3523-2. Fuel oil AST (3523-1)



Photo 3523-3. Equipment storage (2)



Photo 3523-4. Equipment storage (3)



Photo 3523-5. Ruts caused by equipment

**Buildings 3507, 3509, 3512, 3514, 3517, 3519, 3523, and 3528
AATD Experimental Fabrication Branch Photographs¹⁰¹**



Photo 3528-1. Metal recycling bin (covered)



Photo 3528-2. Nitrogen tank (covered)



Photo 3528-3. Hazardous material storage



Photo 3528-4. Scrap metal bin (covered)

Facility Inspection Summary

Building Number(s): 3520
Facility Name: Golf Cart Storage and Maintenance
Organization: 633rd Force Support Squadron
POC: Jack Adams 878-2252
Discharge Receiving System(s): Sheet flow – not in a drainage basin
Inspectors: Scott Moler
Date/Time: 13 Nov 2019/1400
Weather: Sunny, 35°F

Facility Activities

Building 3520 is the Golf Cart Storage and Maintenance facility. At the time of the survey, personnel indicated that no maintenance was being conducted at the facility and that they only wash golf carts and touchup the paint on occasion. Golf carts are rinsed at a designated wash pad behind the building. No soap is used for rinsing activities. In early 2017, golf carts were switched to gasoline operated.

Inventory of Materials Potentially Exposed to Stormwater¹⁰²

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
AST (3520-1) located north of the building	Gasoline	500 gallons	AST	Double-walled tank
Used kitchen grease bin located south of the building next to the dumpsters	Fats, oils, and grease	250 gallons	AST	None; not required
Lawn maintenance equipment storage including, but not limited to, lawn mowers, leaf blowers, and wheel barrows	Diesel fuel or oil	Varies	Not applicable	None; not required
Assorted golf course equipment storage including, but not limited to, trash cans, chairs, coolers, grill, and brooms	Varies	Varies	Not applicable	None; not required
Pile of scrap wood stored northeast of building	Wood	Varies	Not applicable	None; not required
Sand pile stored on concrete pad east of the building (semi-covered)	Sand	Varies	Pile	None; not required
Pine straw bales stored on concrete pad east of the building	Pine straw	Varies	Pile	None; not required

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

¹⁰² Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

Outdoor Material Storage

- | | | | |
|---|---|--|---|
| <input checked="" type="checkbox"/> Vehicle Storage | <input checked="" type="checkbox"/> Equipment Storage | <input checked="" type="checkbox"/> Misc. Metals | <input checked="" type="checkbox"/> Plastic Rubber |
| <input checked="" type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input checked="" type="checkbox"/> Empty Cans/Drums/Tanks | <input checked="" type="checkbox"/> Aggregate Storage |
| <input checked="" type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input type="checkbox"/> Other: _____ | | |

Comments:

HM/HW/POL Storage

- | | | | |
|--|--|---|--|
| <input checked="" type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input type="checkbox"/> POL | <input checked="" type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input checked="" type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input checked="" type="checkbox"/> Other: <u>AST – used cooking grease/oil</u> | |

Comments:

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff and any spills occurring north and west of the building will flow away from the building across grass via sheet flow and will infiltrate into the ground.
- Stormwater runoff and any spills occurring south of the building will flow southeast via sheet flow and will infiltrate into the ground.
- Stormwater runoff leaves the site as a sheet flow into a field and not to a designated drainage basin.

Current BMPs

- The solid waste dumpster and cardboard recycling bin are kept closed.
- The used grease bin is locked to control access.
- Facility personnel perform required monthly and quarterly inspections of the facility.
- Facility personnel are trained annually in good housekeeping, pollution prevention, material management, and spill prevention and response.

Notable Issues:

BLDG 3520

- Aggregate piles not covered. (This finding was also noted during a previous inspection.)
- Equipment and trash are exposed to storm water.

Building 3520
Golf Cart Storage and Maintenance Photographs¹⁰³



Photo 3520-1. AST (3520-1)



Photo 3520-2. Sand pile



Photo 3520-3. Equipment storage(1)



Photo 3520-4. Equipment storage(2)

¹⁰³ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

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Facility Inspection Summary

Building Number(s):	27501-27514
Facility Name:	Helicopter Maintenance Training Facility
Organization:	128th AVN BDE
POC:	Mr. Dalglish 878-7633
Discharge Receiving System(s):	Outfall 042/Warwick River
Inspectors:	Scott Moler
Date/Time:	26 Dec 2019/1033
Weather:	55°F, Sunny

Facility Activities

Building 27501-27514 is the 128th AVN BDE Helicopter Maintenance Training Facility. The facility is a large training complex that is divided into multiple sections, each with its own training focus. The building is broken up into 14 smaller areas and assigned five-digit building numbers.

Training is conducted several Divisions, including the Army Aircraft Maintenance Division, Structures and Pneudraulics Division, Propulsion Division, Enterprise Multimedia Center, and the Scout Helicopter Division. All maintenance activities are performed indoors. All washing activities are conducted at the wash rack located at the northwest corner of Building 27601.

A permitted cooling tower (27511) is located in this area that discharges to stormwater. Chemicals are stored in locked HazMat lockers. Small quantities of POL/hydraulic fluids are used on helicopters during hands-on-training activities. Stormceptor devices were installed at critical stormwater inlets around the compound for stormwater treatment.

Inventory of Materials Potentially Exposed to Stormwater¹⁰⁴

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Dive tank discharged to street	Chlorinated water	Unavailable	AST	None
Uncovered construction waste roll-off dumpster	Accumulated stormwater	Varies	Dumpster	None; not required
Equipment storage including, but not limited to, fork lifts and man lifts	Various vehicle fluids (e.g., diesel fuel, hydraulic fluid, and oil)	Varies	Not applicable	None; not required
Assorted wood storage including, but not limited to, pallets	Wood	Varies	Not applicable	None; not required
Miscellaneous metal storage including, but not limited to, shelving	Metals	Varies	Not applicable	None; not required
Uncovered solid waste dumpster	Accumulated stormwater	Varies	Dumpster	None; not required

¹⁰⁴ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Uncovered cardboard recycling bin	Cardboard	Varies	Dumpster	None; not required
Uncovered metal recycling bin	Metals	Varies	Dumpster	None; not required

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

Outdoor Material Storage

- | | | | |
|---|---|---|---|
| <input checked="" type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Equipment Storage | <input checked="" type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Cans/Drums/Tanks | <input checked="" type="checkbox"/> Aggregate Storage |
| <input checked="" type="checkbox"/> Wood/Lumber | <input checked="" type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input checked="" type="checkbox"/> Other: <u>CONEX boxes</u> | | |

Comments:

HM/HW/POL Storage

- | | | | |
|--|--|--|---|
| <input checked="" type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input checked="" type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input checked="" type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input checked="" type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments: Also six aviation ground equipment support carts with fuel tanks present outside.

Description of Stormwater Entry Points and Ultimate Outfall Point

- Spills occurring inside the facility will discharge to the sanitary sewer.
- Stormwater runoff and any spills occurring around the perimeter will flow to various catch basins and ultimately discharge into Warwick River.
- The facility is located in drainage basin 042.

Current BMPs

- Interior floor drains are connected to the sanitary sewer.
- All maintenance activities are performed indoors.
- All washing activities are performed at a nearby wash rack (Building 27601) connected to the sanitary sewer system via OWS-2716B.
- Spill kits are maintained in the facility.
- Solid waste dumpsters are kept closed when not in use.
- Facility personnel perform required monthly and quarterly inspections of the facility.
- Facility personnel are trained annually in good housekeeping, pollution prevention, material management, and spill prevention and response.

Other Information

- Facility personnel occasionally dump chlorinated diving tank water onto nearby paved area and street.

Notable Issues:

BLDG 27504

- Facility is being remodeled.
- Roll-off not covered; allowing stormwater to enter container, potentially accumulating and releasing pollutants.

BLDG 27507

- Facility is being remodeled.
- Roll-off not covered; allowing stormwater to enter container, potentially accumulating and releasing pollutants.
- Sediment from soil disturbance has accumulated on the pavement.

BLDG 27510

- Facility is being remodeled.
- Roll-off not covered; allowing stormwater to enter container, potentially accumulating and releasing pollutants.

**Buildings 27501-27514
Helicopter Maintenance Training Facility Photographs¹⁰⁵**



Photo 27501-2. Solid waste dumpster and cardboard recycling bin



27502-1. Hazardous materials storage (1)



27502-2. Hazardous materials storage (2)



27502-3. Hazardous waste collection



Photo 27502-4. Material storage (1)



Photo 27502-5. Scrap material storage(2)

¹⁰⁵ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

Buildings 27501-27514
Helicopter Maintenance Training Facility Photographs¹⁰⁵



Photo 27504. Roll-off



Photo 27501-6. Building 27501 interior



Photo 27502-1. Hazardous materials (1)



Photo 27502-2. Hazardous materials (2)



Photo 27504-1. Roll-off not covered



Photo 27510-5. Dive tank area

Buildings 27501-27514
Helicopter Maintenance Training Facility Photographs¹⁰⁵



Photo 27511-3. Cooling tower

Facility Inspection Summary

Building Number(s):	27601-27618
Facility Name:	Helicopter Maintenance Training Facility and Lift Station
Organization:	128th AVN BDE
POC:	Mr. Dalglish 878-7633
Discharge Receiving System(s):	Outfall 042/Warwick River
Inspectors:	Scott Moler
Date/Time:	23 Dec 2019/0930
Weather:	43°F, Cloudy

Facility Activities

Buildings 27601-27618 are the 128th AVN BDE Helicopter Maintenance Training Facility for Advanced Individual Training (AIT) soldiers. The facility is a large training complex that is divided into several different sections, each with its own training focus. The whole building is broken up into 14 smaller areas and assigned five-digit building numbers. The units providing training include: Alpha Co. 2nd 210th AVN, 128th BDE–Helicopter Maintenance; Bravo Co. 2nd 210th AVN BN–Training Blackhawk Repair; Aircraft Armament Division–Training Armament Electrical Division; and the Field/Electrical & Electronics Division. All maintenance activities are performed indoors.

All washing activities are conducted at the wash rack located outside at the northwest corner of Building 27601. The facility has a permitted cooling tower (27615) that discharges to stormwater. Chemicals are stored in HazMat lockers that are kept locked. Small quantities of POL/hydraulic fluids are used on helicopters during hands-on training activities.

Building 2713 houses an emergency diesel generator for the lift station and is located near the northeast corner of Building 27601.

Inventory of Materials Potentially Exposed to Stormwater¹⁰⁶

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
AST associated with EDG for lift station at Building 2713	Diesel fuel	500 gallons	AST	None
Wash water from wash rack	Wash water	Varies	Not applicable	Diversion valve to sanitary sewer
Uncovered construction waste roll-off dumpster	Accumulated stormwater	Varies	Dumpster	None; not required
Equipment storage including, but not limited to, fork lifts, man lifts, cranes, trailers, and portable metal stairs	Various vehicle fluids (e.g., diesel fuel and hydraulic fluid)	Varies	Not applicable	None; not required

¹⁰⁶ Description included in inventory of materials reflect typical on-site inventories; however, inventories may change and the facility has developed methods to handle varying inventories.

2019 COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
JBLE - EUSTIS

Significant Materials Exposed to Stormwater				
Observation ^a	Potential Pollutant	Quantity	Storage Type	Secondary Containment
Uncovered solid waste dumpster	Accumulated stormwater	Varies	Dumpster	None; not required
Uncovered metal recycling bin	Metals	Varies	Dumpster	None; not required

^a Observations of significant materials potentially exposed to stormwater are considered to be stored outside and uncovered if not otherwise stated.

Outdoor Material Storage

- | | | | |
|---|---|---|---|
| <input checked="" type="checkbox"/> Vehicle Storage | <input checked="" type="checkbox"/> Equipment Storage | <input checked="" type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Cans/Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input checked="" type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> White Goods |
| <input type="checkbox"/> Munitions Storage | <input type="checkbox"/> Other: _____ | | |

Comments:

HM/HW/POL Storage

- | | | | |
|--|--|--|--|
| <input checked="" type="checkbox"/> Flammables in Cabinets | <input type="checkbox"/> Flammables in Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input checked="" type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input checked="" type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input checked="" type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – Jet A |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint and Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input checked="" type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Cooking Oil | <input type="checkbox"/> Other: _____ | |

Comments:

Description of Stormwater Entry Points and Ultimate Outfall Point

- Stormwater runoff and any spills occurring around the perimeter of the building will flow to various storm drains and ultimately into Warwick River.
- Spills occurring on the wash rack will flow to OWS-2716B, located on the southeast corner of the wash pad, which ultimately discharges to the sanitary sewer system. If the wash rack is not in use, spills would flow directly to the stormwater drainage system, ultimately discharging into Warwick River
- The facility is located in drainage basin 042.

Current BMPs

- Construction materials are covered with a tarp and staked.
- Interior floor drains are connected to the sanitary sewer.
- All maintenance activities are performed indoors.
- A silt fence is installed around construction activities.
- Hay and a silt fence are installed around storm drains close to the construction site.

- Hay/reseeding is utilized in areas of new construction.
- All washing activities are performed at a nearby wash rack connected to the sanitary sewer via an OWS.
- Spill kits are maintained in Building 27601.
- The wash rack is connected to sanitary sewer system.
- The wash rack is contained by concrete berms and curbing.
- OWS-2716B is equipped with a high-level alarm.
- The automatic diversion system is setup so that all flows are directed to the OWS and sanitary sewer when the potable water is turned on via a solenoid valve.
- Dumpsters are kept closed when not in use.
- Facility personnel perform required monthly and quarterly inspections of the facility.
- Facility personnel are trained annually in good housekeeping, pollution prevention, material management, and spill prevention and response.

Notable Issues: None

Buildings 27601-27618
Helicopter Maintenance Training Facility Photographs¹⁰⁷



Photo 27601-1. Solid waste dumpster



Photo 27601-2. Equipment storage



Photo 27601-3. Hazardous material storage

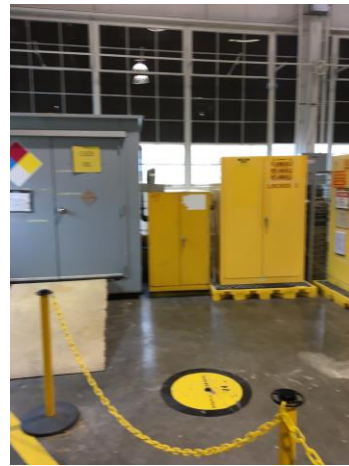


Photo 27601-4. Waste and hazardous material storage



Photo 27601-5. Equipment storage



Photo 27615-4. Cooling tower

¹⁰⁷ Photographs include materials and equipment that may be potentially exposed to stormwater due to the storage location. Not all photographs represent a potential pollutant.

Buildings 27601-27618
Helicopter Maintenance Training Facility Photographs¹⁰⁷



Photo 27601-5. Wash rack area

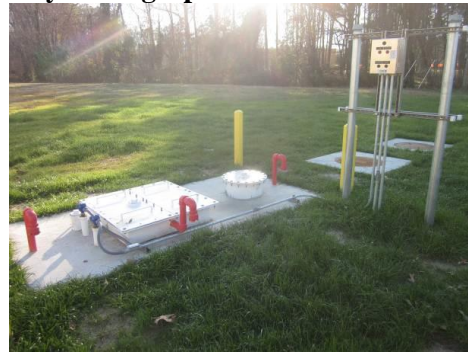


Photo 27601-6. OWS-2716B



Photo 27601-7. OWS-2716A area



Photo 2713-1. Sanitary sewer lift station



Photo 2713-2. EDG for lift station

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APPENDIX B

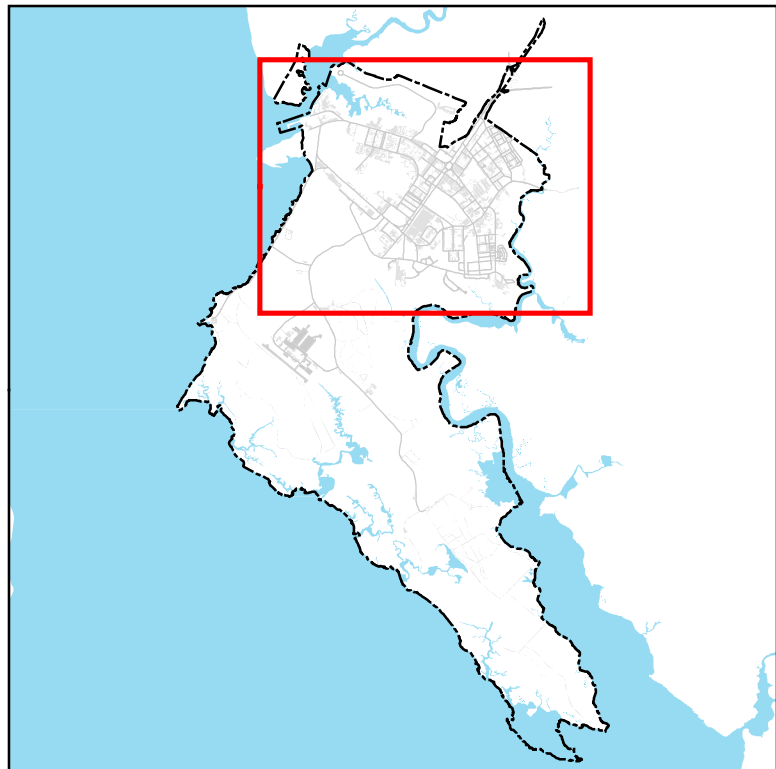
JBLE-EUSTIS OUTFALL MAPS

2019 COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
JBLE - EUSTIS

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Figure D-2 - Overview Map JBLE-Eustis, VA
(1 of 2)



- Industrial Outfall
- Non-Industrial Outfall
- Industrial Drainage Basin
- Non-Industrial Drainage Basin
- Potable Water Auto Flusher
- Cooling Tower
- Hydrography
- Storm Water Line
- Building
- Installation Boundary

0 400 800 1,600
Feet

1 inch = 400 feet
(When printed on ANSI E-size paper)

This map was developed using data from the JBLE-Eustis 2008 Storm Water Drainage Evaluation report. 2013 GIS data provided by JBLE-Eustis, and outfall location data collected during field surveys conducted in 2013 and 2014. CURES assumes no responsibility for the accuracy of or omissions in the original data provided by the base.

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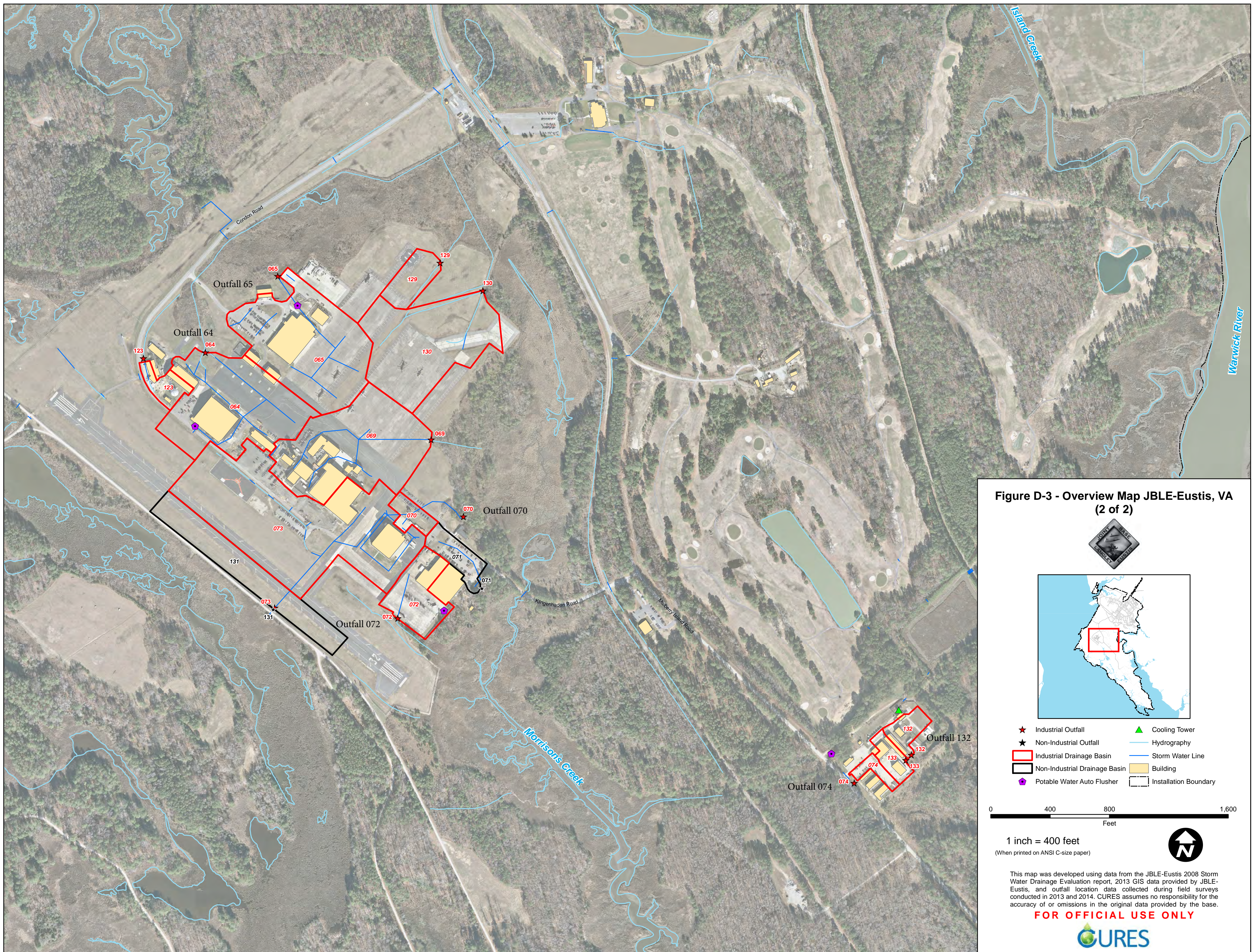
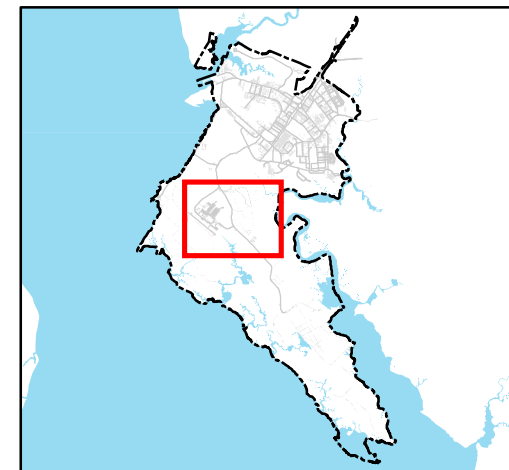


Figure D-3 - Overview Map JBLE-Eustis, VA
(2 of 2)



- | | |
|---------------------------------|-----------------------------|
| ★ Industrial Outfall | ▲ Cooling Tower |
| ★ Non-Industrial Outfall | — Hydrography |
| ▭ Industrial Drainage Basin | — Storm Water Line |
| ▭ Non-Industrial Drainage Basin | ■ Building |
| ◆ Potable Water Auto Flusher | - - - Installation Boundary |

0 400 800 1,600
Feet

1 inch = 400 feet
(When printed on ANSI C-size paper)



This map was developed using data from the JBLE-Eustis 2008 Storm Water Drainage Evaluation report, 2013 GIS data provided by JBLE-Eustis, and outfall location data collected during field surveys conducted in 2013 and 2014. CURES assumes no responsibility for the accuracy of or omissions in the original data provided by the base.

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APPENDIX C
2019 DRY WEATHER INDUSTRIAL OUTFALL INSPECTION FINDINGS



2019 COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
JBLE - EUSTIS

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2019 Dry Weather Industrial Outfall Inspection Findings

Outfall Number and Photograph	Date	Tidal Flow Observed During Low Tide?	Pollutants Present in Discharges?	Current Best Management Practice (BMP)	Observations and Comments
006 	12/31/19	Low Tide	No	None	Outfall was covered by riprap and could not be directly observed; inspected next point in line (a stormwater inlet). The inlet was in good condition; the walls showed no damage or staining.
007 	12/31/19	Low Tide	No	None	Water enters outfall by sheet flow. A buildup of sediment was observed in the channel, as well as driftwood and a pallet. The stream bank showed extreme erosion and was undercut on the northeast side.



2019 COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
JBLE - EUSTIS

Outfall Number and Photograph	Date	Tidal Flow Observed During Low Tide?	Pollutants Present in Discharges?	Current Best Management Practice (BMP)	Observations and Comments
009 	12/31/19	No tidal influence	No	None	Outfall pipe discharges into a shallow channel that was building up with sediment at the pipe opening and is causing wash out. No water was present.
024 	12/26/19	No tidal influence	No	None	No water was exiting the outfall. There was no odor or signs of sheen present. The stream bank showed signs of erosion with undercut.



2019 COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
JBLE - EUSTIS

Outfall Number and Photograph	Date	Tidal Flow Observed During Low Tide?	Pollutants Present in Discharges?	Current Best Management Practice (BMP)	Observations and Comments
025 	12/26/19	No tidal influence	No	None	No water was observed at the outfall. Stormwater enters the outfall via sheet flow. Riprap was present to slow down the flow. Leaf litter debris had accumulated.
026 	12/30/19	No tidal influence	No	None	No water was observed at the outfall. Trash was building up at the weir located before the outfall. Severe bank erosion was observed.



2019 COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
JBLE - EUSTIS

Outfall Number and Photograph	Date	Tidal Flow Observed During Low Tide?	Pollutants Present in Discharges?	Current Best Management Practice (BMP)	Observations and Comments
034 	12/30/19	No tidal influence	No	None	Water present had no color or sheen and was clear. No odors were noted from the water or outfall. The headwall is in good condition.
035 	12/30/19	No tidal influence	No	Temporary boom shared with Outfalls 016, 017, 018, and 019. (Non-industrial outfall)	No water was exiting the outfall. There is severe undercut and erosion below outfall headwall.



2019 COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
JBLE - EUSTIS

Outfall Number and Photograph	Date	Tidal Flow Observed During Low Tide?	Pollutants Present in Discharges?	Current Best Management Practice (BMP)	Observations and Comments
036 	12/30/19	No tidal influence	No	None	Outfall is 80% blocked by sediment. The water that was present was clear and no odor was noted. No evidence of a sheen was observed.
037 	12/30/19	No tidal influence	No	None	Sediment was building up at the outfall opening. Water present was clear. No sign of a sheen was observed.



2019 COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
JBLE - EUSTIS

Outfall Number and Photograph	Date	Tidal Flow Observed During Low Tide?	Pollutants Present in Discharges?	Current Best Management Practice (BMP)	Observations and Comments
040 	12/30/19	No tidal influence	No	None	Debris and vegetation were present.
042 	12/30/19	No tidal influence	No	None	Water was clear and no sheen was observed. There is no odor emitting from the water. There are minnows present. The outfall is in good condition.



2019 COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
JBLE - EUSTIS

Outfall Number and Photograph	Date	Tidal Flow Observed During Low Tide?	Pollutants Present in Discharges?	Current Best Management Practice (BMP)	Observations and Comments
046 	12/31/19	No tidal influence	No	None	Water observed at the outfall was clear and without a sheen. No odors were noted. The headwall and visual pipe was in good condition. Minor sediment was observed.
051 	12/31/19	Low tide	No	None	The concrete pipe entering the James River was fractured. The headwall was deteriorating and the metal plate was rusted and flaking into the River.



2019 COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
JBLE - EUSTIS

Outfall Number and Photograph	Date	Tidal Flow Observed During Low Tide?	Pollutants Present in Discharges?	Current Best Management Practice (BMP)	Observations and Comments
064 	12/26/19	No tidal influence	No	None	Water was clear and no sheen was observed. Algae growth was present. No odors were noted. The stream bank was thick with vegetation.
065 	12/30/19	No tidal influence	No	None	Water was clear and no sheen was observed. No odors were noted. The headwall and pipe did not show signs of damage and were in good condition. Sand bags had been placed on the weir.



2019 COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
JBLE - EUSTIS

Outfall Number and Photograph	Date	Tidal Flow Observed During Low Tide?	Pollutants Present in Discharges?	Current Best Management Practice (BMP)	Observations and Comments
069 	12/30/19	No tidal influence	No	None	Water was light brown in color and no sheen was present. No odors were noted. The banks showed signs of erosion.
070 	12/31/19	No tidal influence	No	None	Water was present and clear and no sheen was present. No odors were noted. Leaf litter and pine needles had accumulated in the outfall.



2019 COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
JBLE - EUSTIS

Outfall Number and Photograph	Date	Tidal Flow Observed During Low Tide?	Pollutants Present in Discharges?	Current Best Management Practice (BMP)	Observations and Comments
072 	12/30/19	No tidal influence	No	None	No water was present. Water runs off via sheet flow into outfall.
073 	12/30/19	No tidal influence	No	None	Water was present. No sheen was observed on the water. No odors were noted.



2019 COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
JBLE - EUSTIS

Outfall Number and Photograph	Date	Tidal Flow Observed During Low Tide?	Pollutants Present in Discharges?	Current Best Management Practice (BMP)	Observations and Comments
074 	12/30/19	No tidal influence	No	None	Outfall was restricted and prevented water from draining properly. Water was colorless and clear. No odors were noted. No sheen was observed on the water.
079 	12/31/19	Yes	No	None	Water was brackish and appeared cloudy/muddy. A sheen was observed. No odors were noted.



2019 COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
JBLE - EUSTIS

Outfall Number and Photograph	Date	Tidal Flow Observed During Low Tide?	Pollutants Present in Discharges?	Current Best Management Practice (BMP)	Observations and Comments
080 	12/31/19	Yes	Yes (sheen), captured by boom	Temporary boom	Water was brackish and was cloudy/muddy. No odors were noted from the water or the pipe. A sheen was observed. Boom was present to capture any oils exiting outfall.
083 	12/31/19	Yes	No	None	Water was brackish and appeared to be cloudy. No odor from the water was noted. The outfall could not be seen, but it is located under the pier.



2019 COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
JBLE - EUSTIS

Outfall Number and Photograph	Date	Tidal Flow Observed During Low Tide?	Pollutants Present in Discharges?	Current Best Management Practice (BMP)	Observations and Comments
101 	12/31/19	No tidal influence	No	None	Outfall was in good condition. Leaf litter was present. No water was leaving the outfall.
102 	11/19/19	No tidal influence	No	None	Water appeared muddy/cloudy. No odors were noted from the water. No signs of a sheen were observed.



2019 COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
JBLE - EUSTIS

Outfall Number and Photograph	Date	Tidal Flow Observed During Low Tide?	Pollutants Present in Discharges?	Current Best Management Practice (BMP)	Observations and Comments
108 	12/31/19	No tidal influence	No	None	A tree was growing in front of the outfall. No water was present at the outfall.
109 	12/31/19	No tidal influence	No	None	No water was present at the outfall. Water would flow to Eustis Lake via sheet flow.



2019 COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
JBLE - EUSTIS

Outfall Number and Photograph	Date	Tidal Flow Observed During Low Tide?	Pollutants Present in Discharges?	Current Best Management Practice (BMP)	Observations and Comments
110 	12/31/19	No tidal influence	No	None	No water was present. The outfall was obstructed with sediment build up.
111 	12/31/19	No tidal influence	Yes	None	Water present was clear, but with a sheen. The headwall showed no visual cracks and is in good condition. Leaf litter was present in the water.



2019 COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
JBLE - EUSTIS

Outfall Number and Photograph	Date	Tidal Flow Observed During Low Tide?	Pollutants Present in Discharges?	Current Best Management Practice (BMP)	Observations and Comments
112 	12/30/19	No tidal influence	No	None	The headwall showed no sign of damage. Heavy buildup of vegetation was observed along the sides of the drainage channel. Riprap was present at outfall opening. Water flowed freely beneath the riprap.
114 	12/31/19	No tidal influence	No	None	Water was present at the outfall and was clear. The headwall showed signs of deterioration. Sediment build up was blocking the outfall opening.



2019 COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
JBLE - EUSTIS

Outfall Number and Photograph	Date	Tidal Flow Observed During Low Tide?	Pollutants Present in Discharges?	Current Best Management Practice (BMP)	Observations and Comments
116 	12/30/19	No tidal influence	No	None	A silt fence located next to the outfall was heavily built up with pine needles and leaves. The outfall discharges into a stream. The water in the stream was clear.
123 	12/26/19	No tidal influence	No	None	The outfall is a concrete pipe. Sediment has built up at the outfall, restricting the flow. Water was present and appeared clear. No odor was noted from the water. No sheen was observed.



2019 COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
JBLE - EUSTIS

Outfall Number and Photograph	Date	Tidal Flow Observed During Low Tide?	Pollutants Present in Discharges?	Current Best Management Practice (BMP)	Observations and Comments
129 	12/30/18	No tidal influence	No	None	Water was present and was clear. No odors were noted from the water. No sheen was observed. No signs of erosion were observed.
130 	12/30/19	No tidal influence	No	None	Water was present and was a slightly cloudy. Leaf litter was also present. No odors were noted from the water. No sheen was observed.

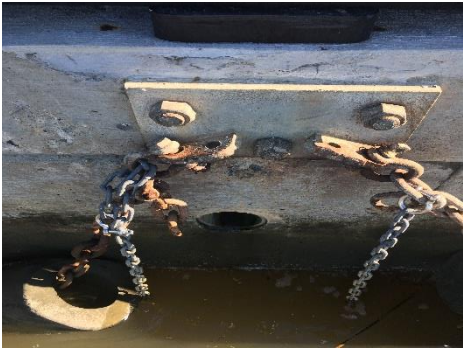

2019 COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
JBLE - EUSTIS

Outfall Number and Photograph	Date	Tidal Flow Observed During Low Tide?	Pollutants Present in Discharges?	Current Best Management Practice (BMP)	Observations and Comments
132 	12/30/19	No tidal influence	No	None	A small amount of water was present at the outfall. The water was clear and appeared colorless. No odors were noted from the water. The flow was restricted by debris in the area.
133 	12/30/19	No tidal influence	No	None	A small amount of water was present but not flowing. No odors were noted. Water was clear and colorless. A sheen was not observed. Vegetation was present. No signs of wildlife were observed. A buildup of sediment in outfall was observed.

2019 COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
JBLE - EUSTIS

Outfall Number and Photograph	Date	Tidal Flow Observed During Low Tide?	Pollutants Present in Discharges?	Current Best Management Practice (BMP)	Observations and Comments
137 	12/31/19	No	No	None	Water was brackish and murky/cloudy. No odors were noted from the water. A sheen was not observed. The headwall was in good condition.
138 	12/31/19	Yes	No	None	Water was brackish and appeared murky/cloudy. No odor was noted from the water. A sheen was observed. Headwall was in good condition.

2019 COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
JBLE - EUSTIS

Outfall Number and Photograph	Date	Tidal Flow Observed During Low Tide?	Pollutants Present in Discharges?	Current Best Management Practice (BMP)	Observations and Comments
139 	12/31/19	Yes	No	Temporary Boom	Headwall was chipped around the pipe outlet and there were signs of damage high on the wall face. Water was brackish and appeared cloudy. No odor was noted. No sheen was observed.
144 	12/30/19	Yes	No	None	The headwall was in good condition but cracks were observed along the base and the wing walls. Signs of erosion were observed behind the left wing wall. The water exiting the pipe was clear and colorless. No odor was noted and no sheen was observed.

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APPENDIX D

2019 STORMWATER SAMPLING RESULTS

2019 COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
JBLE - EUSTIS

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Annual/First Semiannual 2019 Stormwater Sampling Results (24 January 2019)

Outfall	TSS (mg/L)	NO ₂ +NO ₃ (mg/L)	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	TKN (mg/L)	Flow (MGD)	pH	TPH (DRO+GRO) (Annual) (mg/L)	Zinc (mg/L) (Annual)	Copper (mg/L) (Annual)
006	2.5	-	-	-	-	0.0076	6.3	<0.5	0.040	0.004
024	8.0	-	-	-	-	0.0114	6.5	<0.5	-	-
025	8.2	-	-	-	-	0.0228	6.5	<0.5	-	-
046	45	0.08	<0.5	<0.10	<0.50	0.0057	6.0	-	-	-
064	35	-	-	-	-	0.0076	6.2	<0.5	-	-
065	8.8	-	-	-	-	0.0057	6.0	<0.5	-	-
080	11	-	-	-	-	0.0076	6.4	<0.5	0.038	0.004
139	<1.0	-	-	-	-	0.0023	6.6	<0.5	0.006	0.003

Notes:

mg/L = milligrams per liter

NO₂+NO₃ = Nitrates + Nitrites

TPH = Total Petroleum Hydrocarbons

DRO+GRO = Diesel Range Organics + Gasoline Range Organics

MGD = million gallons per day

Outfall 046 is sampled annually.

2019 COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
JBLE - EUSTIS

Annual/Second Semiannual 2019 Stormwater Sampling Results (6 September 2019)

Outfall								TPH (DRO+GRO) (Annual) (mg/L)	Zinc (mg/L) (Annual)	Copper (mg/L) (Annual)
	TSS (mg/L)	NO ₂ +NO ₃ (mg/L)	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	TKN (mg/L)	Flow (MGD)	pH			
006	1.0	-	-	-	-	0.0076	6.8	-	-	-
024	<1.0	-	-	-	-	0.0057	7.0	-	-	-
025	1.1	-	-	-	-	0.121	6.6	-	-	-
064	1.3	-	-	-	-	0.0076	6.9	-	-	-
065	3.8	-	-	-	-	0.0114	6.9	-	-	-
080	1.0	-	-	-	-	0.0046	6.8	-	-	-
139	1.3	-	-	-	-	0.0076	6.6	-	-	-
144	1.2	<0.06	<0.5	<0.10	<0.50	0.0114	6.8	-	-	-

Notes:

mg/L = milligrams per liter

NO₂+NO₃ = Nitrates + Nitrites

TPH = Total Petroleum Hydrocarbons

DRO+GRO = Diesel Range Organics + Gasoline Range Organics

MGD = million gallons per day

Outfall 144 is sampled annually



1 February 2019

Joint Base Langley Eustis
1407 Washington Boulevard
JBLE-Eustis, Virginia 23604
Attn: Mr. Ken Dunn

GSA Call Order No: ID07130023007, Fence to Fence Environmental Services at Joint Base Langley Eustis, VA

GSA Contract No.: GS-10F-0312K

GSA Order No.: GSQ0714BG0033

Deliverable(s): JBLE-Eustis (Fort Eustis) CY 2019 Quarterly, Semi-Annual and Annual Stormwater Monitoring Results (CDRL A021)

Bhate Project No.: AFCGSA1.0001.05

Dear Mr. Dunn,

Enclosed please find the Calendar Year 2019 1st quarter, semi-annual and annual stormwater visual and analytical monitoring results for outfalls 006, 024, 025, 046, 064, 065, 080, 139. Samples were collected on 24 January 2019 after a qualifying rain event, as noted in the permit. Estimated flow data is included in the laboratory reporting.

At the time of the sampling event, J.R. Reed and Associates personnel could not locate outfall 144. This outfall will be sampled before the end of the year to ensure compliance with the permit.

If you have any questions, please contact me at 205-482-3750 or jcolmer@bhate.com.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "Jonathon Colmer".

Jonathon Colmer
Project Manager
Bhate Environmental Associates, Inc.
1608 13th Avenue South, Suite 300
Birmingham, AL 35205

REPORT OF ANALYSIS

CLIENT: Bhate
ATTN: Jonathan Colmer
ADDRESS: 1608 13th Ave., South, Ste. 300
Birmingham, AL 35205
PHONE: 205-482-3750
EMAIL/FAX jcolmer@bhate.com

SAMPLE COLLECTED BY: REED - DKH

GRAB COLLECTION:

Date: 1/24/2019 Time: 0945

COMPOSITE COLLECTION:

Start Date: Time:

End Date: Time:

PICK UP BY: REED - DKH

SAMPLE RECEIPT:

Date: 1/24/2019 Time: 1350

NUMBER OF CONTAINERS: 6

SAMPLE CONDITION: ☒ Good ☐ Other (See C-O-C)

REPORT NO: 19-01348 14:38



Special Notes:

RE: FT. EUSTIS STORMWATER - ANNUAL (GRABS)

AFCGSA1.0001/JBLE F2F

SAMPLE ID: OUTFALL 006

SAMPLE NO: 19-01348

Parameter	Method Number	JRA QL	Result	Unit	Analyst	Date	Time
pH (Field)	*4500H+B		6.3@15oC	s.u.	DKH	1/24/2019	0949
TSS	*2540D	1.0	2.5	mg/L	JGO	1/28/2019	1230
TPH-DRO	8015C	0.5	< 0.5	mg/L	ADT	1/30/2019	0107
TPH-GRO	8015C	0.5	< 0.5	mg/L	ADT	1/28/2019	2005
Total Recoverable Copper	200.7	0.001	0.004	mg/L	AME	1/29/2019	1246
Total Recoverable Zinc	200.7	0.005	0.040	mg/L	AME	1/29/2019	1246
Flow			0.0076	mgd	DKH	1/24/2019	0946

NOTES:

JRA Quantification Level is the concentration of the lowest calibration standard above zero with a reliable signal.

Reproduction of this report is not permitted, except in full, without written approval from James R Reed & Associates.

The results on this report relate only to the sample(s) provided for analysis.

Results conform to NELAC standards, where applicable, unless otherwise indicated.

*SM 2011

VELAP Standards are not applicable to field pH.

Invoice: BHATE

cc: dbadio@bhate.com

RESPECTFULLY SUBMITTED

Elaine Claiborne

Elaine Claiborne
Laboratory Director

Date: 31-Jan-19

James R. Reed & Associates

770 Pilot House Drive, Newport News, VA 23606

(757) 873-4703 • Fax: (757) 873-1498

VELAP# 460013

EPA# VA00015



REPORT OF ANALYSIS

CLIENT: Bhate
 ATTN: Jonathan Colmer
 ADDRESS: 1608 13th Ave., South, Ste. 300
 Birmingham, AL 35205
 PHONE: 205-482-3750
 EMAIL/FAX jcolmer@bhate.com

SAMPLE COLLECTED BY: REED - DKH

GRAB COLLECTION:

Date: 1/24/2019 Time: 1000

COMPOSITE COLLECTION:

Start Date: Time:

End Date: Time:

PICK UP BY: REED - DKH

SAMPLE RECEIPT:

Date: 1/24/2019 Time: 1350

NUMBER OF CONTAINERS: 6

SAMPLE CONDITION: ☒ Good ☐ Other (See C-O-C)

REPORT NO: 19-01349 14:12



Special Notes:

RE: FT. EUSTIS STORMWATER - ANNUAL (GRABS)

AFCGSA1.0001/JBLE F2F

SAMPLE ID: OUTFALL 080

SAMPLE NO: 19-01349

Parameter	Method Number	JRA QL	Result	Unit	Analyst	Date	Time
pH (Field)	*4500H+B		6.4@13oC	s.u.	DKH	1/24/2019	1004
TSS	*2540D	1.0	11	mg/L	JGO	1/28/2019	1230
TPH-DRO	8015C	0.5	< 0.5	mg/L	ADT	1/30/2019	0147
TPH-GRO	8015C	0.5	< 0.5	mg/L	ADT	1/28/2019	2043
Total Recoverable Copper	200.7	0.001	0.004	mg/L	AME	1/29/2019	1248
Total Recoverable Zinc	200.7	0.005	0.038	mg/L	AME	1/29/2019	1248
Flow			0.0076	mgd	DKH	1/24/2019	1001

NOTES:

JRA Quantification Level is the concentration of the lowest calibration standard above zero with a reliable signal.

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Results conform to NELAC standards, where applicable, unless otherwise indicated.

*SM 2011

VELAP Standards are not applicable to field pH.

Invoice: BHATE

cc: dbadio@bhate.com

RESPECTFULLY SUBMITTED

Elaine Claiborne

Elaine Claiborne
 Laboratory Director

Date: 31-Jan-19

James R. Reed & Associates

770 Pilot House Drive, Newport News, VA 23606

(757) 873-4703 • Fax: (757) 873-1498

VELAP# 460013

EPA# VA00015



REPORT OF ANALYSIS

CLIENT: Bhate
 ATTN: Jonathan Colmer
 ADDRESS: 1608 13th Ave., South, Ste. 300
 Birmingham, AL 35205
 PHONE: 205-482-3750
 EMAIL/FAX jcolmer@bhate.com

SAMPLE COLLECTED BY: REED - DKH
 GRAB COLLECTION:
 Date: 1/24/2019 Time: 1010
 COMPOSITE COLLECTION:
 Start Date: Time:
 End Date: Time:



Special Notes:
 RE: FT. EUSTIS STORMWATER - ANNUAL (GRABS)
 AFCGSA1.0001/JBLE F2F

PICK UP BY: REED - DKH
 SAMPLE RECEIPT:
 Date: 1/24/2019 Time: 1350
 NUMBER OF CONTAINERS: 6
 SAMPLE CONDITION: ☒ Good ☐ Other (See C-O-C)
 REPORT NO: 19-01350 14:12

SAMPLE ID: OUTFALL 139
 SAMPLE NO: 19-01350

Parameter	Method Number	JRA QL	Result	Unit	Analyst	Date	Time
pH (Field)	*4500H+B		6.6@15oC	s.u.	DKH	1/24/2019	1015
TSS	*2540D	1.0	<1.0	mg/L	JGO	1/28/2019	1230
TPH-DRO	8015C	0.5	< 0.5	mg/L	ADT	1/30/2019	0226
TPH-GRO	8015C	0.5	< 0.5	mg/L	ADT	1/29/2019	0033
Total Recoverable Copper	200.7	0.001	0.003	mg/L	AME	1/29/2019	1250
Total Recoverable Zinc	200.7	0.005	0.036	mg/L	AME	1/29/2019	1250
Flow			0.0023	mgd	DKH	1/24/2019	1011

NOTES:

JRA Quantification Level is the concentration of the lowest calibration standard above zero with a reliable signal.
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*SM 2011

VELAP Standards are not applicable to field pH.

Invoice: BHATE

cc: dbadio@bhate.com

RESPECTFULLY SUBMITTED

Elaine Claiborne

Elaine Claiborne
 Laboratory Director

Date: 31-Jan-19

James R. Reed & Associates
 770 Pilot House Drive, Newport News, VA 23606
 (757) 873-4703 • Fax: (757) 873-1498

VELAP# 460013
 EPA# VA00015



January 25, 2019

SUBMITTED TO:

Bhate Environmental Assoc.
ATTN: Jonathan Colmer
1608 13th Ave. South, Suite 300
Birmingham, AL 35205

SUBMITTED BY:

James R. Reed and Associates
770 Pilot House Drive
Newport News, VA 23606
(757) 873-4703

Fort Eustis

Permit No.: VA0025216

Date: 1/24/19

Time: 0959


Outfall Location: 080

Visual Observation Performed by: David Harris (Reed & Assoc.)

Nature of Discharge: Runoff

Visual Observations:

Parameter	Observations
Color	Clear
Odor	None
Clarity	Clear
Floating Solids	None
Settled Solids	None
Suspended Solids	None
Foam	None
Oil Sheen	None
Other indicators	None


Elaine Claiborne
Laboratory Director

Invoice: Bhate

January 25, 2019

SUBMITTED TO:

Bhate Environmental Assoc.
ATTN: Jonathan Colmer
1608 13th Ave. South, Suite 300
Birmingham, AL 35205

SUBMITTED BY:

James R. Reed and Associates
770 Pilot House Drive
Newport News, VA 23606
(757) 873-4703

Fort Eustis

Permit No.: VA0025216

Date: 1/24/19

Time: 1009

Outfall Location: 139

Visual Observation Performed by: David Harris (Reed & Assoc.)

Nature of Discharge: Runoff

Visual Observations:

Parameter	Observations
Color	Clear
Odor	None
Clarity	Clear
Floating Solids	None
Settled Solids	None
Suspended Solids	None
Foam	None
Oil Sheen	None
Other indicators	None



Elaine Claiborne
Laboratory Director

Invoice: Bhate



January 25, 2019

SUBMITTED TO:

Bhate Environmental Assoc.
ATTN: Jonathan Colmer
1608 13th Ave. South, Suite 300
Birmingham, AL 35205

SUBMITTED BY:

James R. Reed and Associates
770 Pilot House Drive
Newport News, VA 23606
(757) 873-4703

Fort Eustis

Permit No.: VA0025216

Date: 1/24/19

Time: 0944

Outfall Location: 006

Visual Observation Performed by: David Harris (Reed & Assoc.)

Nature of Discharge: Runoff

Visual Observations:

Parameter	Observations
Color	Clear
Odor	None
Clarity	Clear
Floating Solids	None
Settled Solids	None
Suspended Solids	None
Foam	None
Oil Sheen	None
Other indicators	None

Elaine Claiborne
Laboratory Director

Invoice: Bhate



Company Name: Bhate Environmental Associates, Inc.
 Company Contact: Jonathon Colmer Telephone: 205-482-3750
 Results To: Jonathon Colmer email: JColmer@bhate.com
 Address: 1608 13th Avenue South, Suite 300
Birmingham, AL 35205 cc: dbadio@bhate.com

Project ID: AFCGSA1.0001/JBLE F2F
Ft. Eustis Stormwater - Annual

[illegible]

*SW-Stormwater WW≡ Wastewater GW = Groundwater DW = Drinking Water, HW - Hazardous Waste, OTHERS

Sampled By:		Date/Time:	1/24/19 see above
Relinquished By:		Date/Time:	1/24/19 1350
Received By:		Date/Time:	1/24/19 1350
Relinquished By:		Date/Time:	
Received By:		Date/Time:	

	Outfall	pH/Temp	Date	Time	Analyst
for Compliance	006	6.32 15°C	1/24/19	0949	OKH
Not for Compliance	080	6.42 13°C	1/24/19	1004	OKH
	139	6.62 15°C	1/24/19	1015	OKH

Invoice: Bhate

Arrival Temp: 5.6 °C

JAMES R. REED and ASSOCIATES (757) 873-4703; FAX (757) 873-1498
770 Pilot House Drive, Newport News, VA 23606

REPORT OF ANALYSIS

CLIENT: Bhate
ATTN: Jonathan Colmer
ADDRESS: 1608 13th Ave., South, Ste. 300
Birmingham, AL 35205
PHONE: 205-482-3750
EMAIL/FAX jcolmer@bhate.com

Special Notes:
RE: FT. EUSTIS STORMWATER - ANNUAL (GRABS)
AFCGSA1.0001/JBLE F2F

SAMPLE COLLECTED BY: REED - DKH

GRAB COLLECTION:

Date: 1/24/2019 Time: 1020

COMPOSITE COLLECTION:

Start Date: Time:

End Date: Time:

PICK UP BY: REED - DKH

SAMPLE RECEIPT:

Date: 1/24/2019 Time: 1350

NUMBER OF CONTAINERS: 5

SAMPLE CONDITION: ☒ Good ☐ Other (See C-O-C)

REPORT NO: 19-01351 14:12



SAMPLE ID: OUTFALL 024
SAMPLE NO: 19-01351

Parameter	Method Number	JRA QL	Result	Unit	Analyst	Date	Time
pH (Field)	*4500H+B		6.5@15oC	s.u.	DKH	1/24/2019	1024
TSS	*2540D	1.0	8.0	mg/L	JGO	1/25/2019	1230
TPH-DRO	8015C	0.5	< 0.5	mg/L	ADT	1/30/2019	0306
TPH-GRO	8015C	0.5	< 0.5	mg/L	ADT	1/29/2019	0111
Flow			0.0114	mgd	DKH	1/24/2019	1021

NOTES:

JRA Quantification Level is the concentration of the lowest calibration standard above zero with a reliable signal.

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The results on this report relate only to the sample(s) provided for analysis.

Results conform to NELAC standards, where applicable, unless otherwise indicated.

*SM 2011

VELAP Standards are not applicable to field pH.

Invoice: BHATE

cc: dbadio@bhate.com

RESPECTFULLY SUBMITTED

Elaine Claiborne

Elaine Claiborne
Laboratory Director

Date: 31-Jan-19

James R. Reed & Associates

770 Pilot House Drive, Newport News, VA 23606

(757) 873-4703 • Fax: (757) 873-1498

VELAP# 460013

EPA# VA00015



REPORT OF ANALYSIS

CLIENT: Bhate
 ATTN: Jonathan Colmer
 ADDRESS: 1608 13th Ave., South, Ste. 300
 Birmingham, AL 35205
 PHONE: 205-482-3750
 EMAIL/FAX jcolmer@bhate.com

SAMPLE COLLECTED BY: REED - DKH
 GRAB COLLECTION:
 Date: 1/24/2019 Time: 1030
 COMPOSITE COLLECTION:
 Start Date: Time:
 End Date: Time:



Special Notes:
 RE: FT. EUSTIS STORMWATER - ANNUAL (GRABS)
 AFCGSA1.0001/JBLE F2F

PICK UP BY: REED - DKH
 SAMPLE RECEIPT:
 Date: 1/24/2019 Time: 1350
 NUMBER OF CONTAINERS: 5
 SAMPLE CONDITION: ☒ Good ☐ Other (See C-O-C)
 REPORT NO: 19-01352 14:12

SAMPLE ID: OUTFALL 025
 SAMPLE NO: 19-01352

Parameter	Method Number	JRA QL	Result	Unit	Analyst	Date	Time
pH (Field)	*4500H+B		6.5@15oC	s.u.	DKH	1/24/2019	1033
TSS	*2540D	1.0	8.2	mg/L	JGO	1/28/2019	1230
TPH-DRO	8015C	0.5	< 0.5	mg/L	ADT	1/30/2019	0346
TPH-GRO	8015C	0.5	< 0.5	mg/L	ADT	1/29/2019	0149
Flow			0.0228	mgd	DKH	1/24/2019	1031

NOTES:

JRA Quantification Level is the concentration of the lowest calibration standard above zero with a reliable signal.

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Results conform to NELAC standards, where applicable, unless otherwise indicated.

*SM 2011

VELAP Standards are not applicable to field pH.

Invoice: BHATE

cc: dbadio@bhate.com

RESPECTFULLY SUBMITTED

Elaine Claiborne

Elaine Claiborne
 Laboratory Director

Date: 31-Jan-19

James R. Reed & Associates
 770 Pilot House Drive, Newport News, VA 23606
 (757) 873-4703 • Fax: (757) 873-1498

VELAP# 460013
 EPA# VA00015



January 25, 2019

SUBMITTED TO:

Bhate Environmental Assoc.
ATTN: Jonathan Colmer
1608 13th Ave. South, Suite 300
Birmingham, AL 35205

SUBMITTED BY:

James R. Reed and Associates
770 Pilot House Drive
Newport News, VA 23606
(757) 873-4703

Fort Eustis

Permit No.: VA0025216

Date: 1/24/19

Time: 1019

Outfall Location: 024

Visual Observation Performed by: David Harris (Reed & Assoc.)

Nature of Discharge: Runoff

Visual Observations:

Parameter	Observations
Color	Clear
Odor	None
Clarity	Clear
Floating Solids	None
Settled Solids	None
Suspended Solids	None
Foam	None
Oil Sheen	None
Other indicators	None



Elaine Claiborne
Laboratory Director

Invoice: Bhate

January 25, 2019

SUBMITTED TO:

Bhate Environmental Assoc.
ATTN: Jonathan Colmer
1608 13th Ave. South, Suite 300
Birmingham, AL 35205

SUBMITTED BY:

James R. Reed and Associates
770 Pilot House Drive
Newport News, VA 23606
(757) 873-4703

Fort Eustis

Permit No.: VA0025216

Date: 1/24/19

Time: 1029

Outfall Location: 025

Visual Observation Performed by: David Harris (Reed & Assoc.)

Nature of Discharge: Runoff

Visual Observations:

Parameter	Observations
Color	Light brown (most likely due to mud)
Odor	None
Clarity	Slightly cloudy
Floating Solids	None
Settled Solids	None
Suspended Solids	None
Foam	None
Oil Sheen	None
Other indicators	None



Elaine Claiborne
Laboratory Director

Invoice: Bhate



CHAIN OF CUSTODY

ANALYSES REQUESTED

Company Name: Bhate Environmental Associates, Inc.
Company Contact: Jonathon Colmer Telephone: 205-482-3750
Results To: Jonathon Colmer email: JColmer@bhate.com
Address: 1608 13th Avenue South, Suite 300
Birmingham, AL 35205
cc: dbadio@bhate.com

Project ID: **AFCGSA1.0001/JBLE F2F**
Ft. Eustis Stormwater - Annual

[illegible]

*SW-Stormwater. WW= Wastewater, GW = Groundwater, DW - Drinking Water, HW - Hazardous Waste, OTHERS

Preservatives:

1 = 6°C 6 = $\text{Na}_2\text{S}_2\text{O}_3 + \text{HCl}$ 10 = Ascorbic Acid + HCl
2 = HNO_3 7 = $\text{NaOH} + \text{ZnOAc}$ 11 = HCl
3 = H_2SO_4 8 = $\text{H}_2\text{SO}_4 + \text{FAS}$ 12 = Zinc Acetate + NaOH
4 = NaOH 9 = NH_4Cl
5 = $\text{Na}_2\text{S}_2\text{O}_3$

Date/Time: 500 above

Date/Time: 1/24/19 1350

Date/Time: 1/24/19 1350

Date/Time: 11/11/2023 11:11:11 AM

Date/Time: _____

Sampled By:

Relinquished By:

Received By:

Relinquished By:

Received By:

for Compliance

Not for Compliance

Outfall 024 pH/Temp 6.5 @ 15°C Date

Outfall 025 pH/Temp 6.50 15°C Date 11/1/11

cc: Bhat

Invoice: Bhate

Arrival Temp: 1.8 °C

JAMES R. REED and ASSOCIATES (757) 873-4703; FAX (757) 873-1498
770 Pilot House Drive, Newport News, VA 23606

REPORT OF ANALYSIS

CLIENT: Bhate
ATTN: Jonathan Colmer
ADDRESS: 1608 13th Ave., South, Ste. 300
Birmingham, AL 35205
PHONE: 205-482-3750
EMAIL/FAX jcolmer@bhate.com

SAMPLE COLLECTED BY: REED - DKH
GRAB COLLECTION:
Date: 1/24/2019 Time: 1125
COMPOSITE COLLECTION:
Start Date: Time:
End Date: Time:



PICK UP BY: REED - DKH
SAMPLE RECEIPT:
Date: 1/24/2019 Time: 1350
NUMBER OF CONTAINERS: 5
SAMPLE CONDITION: ☒ Good ☐ Other (See C-O-C)
REPORT NO: 19-01353 14:12

SAMPLE ID: OUTFALL 064
SAMPLE NO: 19-01353

Parameter	Method Number	JRA QL	Result	Unit	Analyst	Date	Time
pH (Field)	*4500H+B		6.2@15oC	s.u.	DKH	1/24/2019	1130
TSS	*2540D	1.0	35	mg/L	JGO	1/28/2019	1230
TPH-DRO	8015C	0.5	< 0.5	mg/L	ADT	1/30/2019	0425
TPH-GRO	8015C	0.5	< 0.5	mg/L	ADT	1/29/2019	0228
Flow			0.0076	mgd	DKH	1/24/2019	1126

NOTES:

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Results conform to NELAC standards, where applicable, unless otherwise indicated.

*SM 2011

VELAP Standards are not applicable to field pH.

Invoice: BHATE

cc: dbadio@bhate.com

RESPECTFULLY SUBMITTED

Elaine Claiborne

Elaine Claiborne
Laboratory Director

Date: 31-Jan-19

James R. Reed & Associates
770 Pilot House Drive, Newport News, VA 23606
(757) 873-4703 • Fax: (757) 873-1498

VELAP# 460013
EPA# VA00015



REPORT OF ANALYSIS

CLIENT: Bhate
ATTN: Jonathan Colmer
ADDRESS: 1608 13th Ave., South, Ste. 300
Birmingham, AL 35205
PHONE: 205-482-3750
EMAIL/FAX jcolmer@bhate.com

Special Notes:
RE: FT. EUSTIS STORMWATER - ANNUAL (GRABS)
AFCGSA1.0001/JBLE F2F

SAMPLE COLLECTED BY: REED - DKH
GRAB COLLECTION:
Date: 1/24/2019 Time: 1115
COMPOSITE COLLECTION:
Start Date: Time:
End Date: Time:



PICK UP BY: REED - DKH
SAMPLE RECEIPT:
Date: 1/24/2019 Time: 1350
NUMBER OF CONTAINERS: 5
SAMPLE CONDITION: ☒ Good ☐ Other (See C-O-C)
REPORT NO: 19-01354 14:12

SAMPLE ID: OUTFALL 065
SAMPLE NO: 19-01354

Parameter	Method Number	JRA QL	Result	Unit	Analyst	Date	Time
pH (Field)	*4500H+B		6.0@15oC	s.u.	DKH	1/24/2019	1119
TSS	*2540D	1.0	8.8	mg/L	JGO	1/28/2019	1230
TPH-DRO	8015C	0.5	< 0.5	mg/L	ADT	1/30/2019	0505
TPH-GRO	8015C	0.5	< 0.5	mg/L	ADT	1/29/2019	0306
Flow			0.0057	mgd	DKH	1/24/2019	1116

NOTES:

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Results conform to NELAC standards, where applicable, unless otherwise indicated.

*SM 2011

VELAP Standards are not applicable to field pH.

Invoice: BHATE

cc: dbadio@bhate.com

RESPECTFULLY SUBMITTED

Elaine Claiborne

Elaine Claiborne
Laboratory Director
Date: 31-Jan-19

James R. Reed & Associates
770 Pilot House Drive, Newport News, VA 23606
(757) 873-4703 • Fax: (757) 873-1498

VELAP# 460013
EPA# VA00015



January 25, 2019

SUBMITTED TO:

Bhate Environmental Assoc.
ATTN: Jonathan Colmer
1608 13th Ave. South, Suite 300
Birmingham, AL 35205

SUBMITTED BY:

James R. Reed and Associates
770 Pilot House Drive
Newport News, VA 23606
(757) 873-4703

Fort Eustis

Permit No.: VA0025216

Date: 1/24/19

Time: 1124


Outfall Location: 064

Visual Observation Performed by: David Harris (Reed & Assoc.)

Nature of Discharge: Runoff

Visual Observations:

Parameter	Observations
Color	Clear
Odor	None
Clarity	Clear
Floating Solids	None
Settled Solids	None
Suspended Solids	None
Foam	None
Oil Sheen	None
Other indicators	None


Elaine Claiborne
Laboratory Director

Invoice: Bhate

January 25, 2019

SUBMITTED TO:

Bhate Environmental Assoc.
ATTN: Jonathan Colmer
1608 13th Ave. South, Suite 300
Birmingham, AL 35205

SUBMITTED BY:

James R. Reed and Associates
770 Pilot House Drive
Newport News, VA 23606
(757) 873-4703

Fort Eustis

Permit No.: VA0025216

Date: 1/24/19

Time: 1114

Outfall Location: 065

Visual Observation Performed by: David Harris (Reed & Assoc.)

Nature of Discharge: Runoff

Visual Observations:

Parameter	Observations
Color	Clear
Odor	None
Clarity	Clear
Floating Solids	None
Settled Solids	None
Suspended Solids	None
Foam	None
Oil Sheen	None
Other indicators	None

Elaine Claiborne

Elaine Claiborne
Laboratory Director

Invoice: Bhate



Bottle I.D	A	B1-2	2	C1-
Preserv.	1	1	1,11	

Project ID: **AFCGSA1.0001/JBLE F2F**
Ft. Eustis Stormwater - Annual

*SW-Stormwater, WW=Wastewater, GW = Groundwater, DW = Drinking Water, HW - Hazardous Waste, OTHERS

	Date	Time	Analyst
Outfall 064 pH/Temp	6.2 @ 15°C	1/24/19	1130 DKH
Outfall 065 pH/Temp	6.0 @ 15°C	1/24/19	1119 DKH

cc: Bhate
Invoice: Bhate

JAMES R. REED and ASSOCIATES (757) 873-4703; FAX (757) 873-1498
770 Pilot House Drive, Newport News, VA 23606

REPORT OF ANALYSIS

CLIENT: Bhate
 ATTN: Jonathan Colmer
 ADDRESS: 1608 13th Ave., South, Ste. 300
 Birmingham, AL 35205
 PHONE: 205-482-3750
 EMAIL/FAX jcolmer@bhate.com

SAMPLE COLLECTED BY: REED - DKH
 GRAB COLLECTION:
 Date: 1/24/2019 Time: 1150
 COMPOSITE COLLECTION:
 Start Date: Time:
 End Date: Time:



Special Notes:
 RE: FT. EUSTIS STORMWATER - ANNUAL (GRABS)
 AFCGSA1.0001/JBLE F2F

PICK UP BY: REED - DKH
 SAMPLE RECEIPT:
 Date: 1/24/2019 Time: 1350
 NUMBER OF CONTAINERS: 2
 SAMPLE CONDITION: ☒ Good ☐ Other (See C-O-C)
 REPORT NO: 19-01350 15:13

SAMPLE ID: OUTFALL 046
 SAMPLE NO: 19-01350

Parameter	Method Number	JRA QL	Result	Unit	Analyst	Date	Time
pH (Field)	*4500H+B		6.0@14oC	s.u.	DKH	1/24/2019	1157
TSS	*2540D	1.0	45	mg/L	JGO	1/28/2019	1230
Total Nitrogen	351.2/353.2	0.5	< 0.5	mg/L	CMM	1/29/2019	1547
Total Kjeldahl Nitrogen	351.2	0.50	< 0.50	mg/L	CMM	1/29/2019	1322
Nitrate/Nitrite	353.2	0.06	0.08	mg/L	CMM	1/25/2019	0957
Total Phosphorus	365.1	0.10	< 0.10	mg/L	NKD	1/30/2019	0842
Flow			0.0057	mgd	DKH	1/24/2019	1151

NOTES:

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*SM 2011

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Invoice: BHATE

cc: dbadio@bhate.com

RESPECTFULLY SUBMITTED

Elaine Claiborne

Elaine Claiborne
 Laboratory Director

Date: 31-Jan-19

James R. Reed & Associates
 770 Pilot House Drive, Newport News, VA 23606
 (757) 873-4703 • Fax: (757) 873-1498

VELAP# 460013
 EPA# VA00015





Company Name: Bhate Environmental Associates, Inc.
 Company Contact: Jonathon Colmer Telephone: 205-482-3750
 Results To: Jonathon Colmer email: JColmer@bhate.com
 Address: 1608 13th Avenue South, Suite 300
 Birmingham, AL 35205 cc: dbadio@bhate.com
 Project ID: **AFCGSA1.0001/JBLE F2F**
Ft. Eustis Stormwater - Annual

*SW-Stormwater, WW=Wastewater, GW = Groundwater, DW - Drinking Water, HW - Hazardous Waste, OTHERS

Sampled By:		Date/Time:	Set above
Relinquished By:		Date/Time:	1/24/19 1350
Received By:		Date/Time:	1/24/19 1350
Relinquished By:		Date/Time:	
Received By:		Date/Time:	

_____ for Compliance
Outfall 046 pH/Temp 6.02 14°C Date 12/4/19 Time 1157 Analyst DKH

_____ Not for Compliance
Outfall 144 pH/Temp _____ Date _____ Time _____ Analyst _____

Arrival Temp: 28 °C

JAMES R. REED and ASSOCIATES (757) 873-4703; FAX (757) 873-1498
770 Pilot House Drive, Newport News, VA 23606

Storm Event Record

To be filled out for every storm event of ≥ 0.1 inch of rain fall (except snowmelt monitoring). For snowmelt monitoring, identify the date of the sampling event.

1. Date/Time storm event started: 9/6/19 0300/0500
2. Date/Time storm event achieved 0.1 inch: 9/6/19 0800
3. Date/Time storm event ended: 9/6/19 0830
4. Event total accumulation (inches): 0.12
5. Date/Time last storm event ended: 8/24/19 0200

Was the 72-hour storm event interval met? (circle one)
(If no, waiver must be obtained.)

YES

NO

6. If all sampling requirements were met (see notes 1 and 2 below) were storm samples taken?
If so, record which outfalls were sampled.

006, 080, 139, 024, 025, 144, 064, 065

☒ All required samples and visual inspections are complete

7. If not, record reason(s) samples were not taken.

☐ Snow/no melt
☐ Dangerous weather
☐ Access impeded/denied
☐ High tide
☐ Other (explain) _____

David Harris
Name

9/6/19
Date

Notes:

1) Samples cannot be collected within 72 hours of the end of the previous rain event in magnitude of 0.1 inch. Storm events are not considered over until no measurable rain has fallen for a minimum of 12 hours.

2) Samples and visual inspections must be taken during the first 30 minutes of discharge and completed within 3 hours of achieving 0.1 inch of rain.

9-6-19 S/W

weather.gov



Weather observations for the past three days

Fort Eustis / Felker

Enter Your "City, ST" or zip code

Go

metric

Date	Time (edt)	Wind (mph)	Vis. (mi.)	Weather	Sky Cond.	Temperature (°F)				Relative Humidity	Wind Chill (°F)	Heat Index (°F)	Pressure		Precipitation (in.)		
						Air	Dwpt	6 hour					altimeter (in)	sea level (mb)	1 hr	3 hr	6 hr
06	07:56	NE 13 G 23	7.00	Light Rain	OVC010	73	68	76	73	83%	NA	NA	29.58	1002.0	0.05		0.12
06	06:56	NE 13 G 22	9.00	Light Rain	OVC011	74	68			83%	NA	NA	29.61	1003.0	0.06		
06	05:56	NE 15 G 26	10.00	Light Rain	OVC012	76	69			80%	NA	77	29.63	1003.7			
06	04:56	NE 14 G 25	10.00	Light Drizzle	BKN014	76	69			80%	NA	77	29.64	1004.0		0.01	
06	03:56	NE 15 G 30	10.00	Light Rain	OVC011	76	70			81%	NA	77	29.69	1005.7			
06	02:56	NE 13 G 24	10.00	Overcast	OVC012	76	70			81%	NA	77	29.70	1006.0	0.01		
06	01:56	NE 10 G 21	10.00	Mostly Cloudy	BKN015 BKN022	76	69	77	76	79%	NA	77	29.75	1007.7			
06	00:56	NE 16 G 21	10.00	Overcast	OVC012	76	69			80%	NA	77	29.77	1008.4			
05	23:56	NE 10 G 18	10.00	Overcast	BKN013 BKN020 OVC060	77	70			80%	NA	79	29.82	1010.1			
05	22:56	NE 10 G 23	10.00	Overcast	OVC012	76	70			81%	NA	77	29.82	1010.1			
05	21:56	NE 12	10.00	Overcast	OVC011	76	70			81%	NA	77	29.85	1011.1			
05	20:56	NE 8 G 18	10.00	Overcast	OVC011	76	70			82%	NA	77	29.85	1011.1			
05	19:56	E 10 G 20	10.00	Overcast	BKN012 OVC018	77	71	85	76	83%	NA	78	29.87	1011.8			
05	18:56	NE 13	10.00	Mostly Cloudy	BKN013	77	72			84%	NA	78	29.87	1011.8			
05	17:56	E 14 G 20	10.00	Overcast	OVC013	80	71			76%	NA	84	29.88	1012.1			
05	16:56	NE 10 G 18	10.00	Mostly Cloudy	BKN014 BKN021 BKN027	81	72			75%	NA	85	29.89	1012.5			

05	15:56	NE 14 G 21	10.00	Mostly Cloudy	BKN017 BKN075	82	73			74%	NA	87	29.90	1012.8
05	14:56	E 13	10.00	Mostly Cloudy	BKN017 BKN090	85	73			67%	NA	92	29.91	1013.2
05	12:56	E 9	10.00	Mostly Cloudy	BKN020 BKN050 BKN090	84	72			68%	NA	90	29.92	1013.5
05	11:56	NE 9	10.00	Mostly Cloudy	BKN060 BKN190	84	72			68%	NA	90	29.94	1014.2
05	10:56	E 7	10.00	Mostly Cloudy	FEW020 BKN060	83	72			71%	NA	89	29.95	1014.5
05	09:56	NE 6	10.00	Mostly Cloudy	FEW020 BKN080	80	75			84%	NA	85	29.95	1014.5
05	08:56	Calm	10.00	Overcast	OVC085	79	74			87%	NA	83	29.97	1015.2
05	07:56	Calm	10.00	Mostly Cloudy	SCT020 BKN080	77	74	79	76	90%	NA	78	29.97	1015.2
05	06:56	Calm	10.00	Mostly Cloudy	BKN090	76	73			90%	NA	76	29.95	1014.5
05	05:56	Calm	10.00	Partly Cloudy	SCT060 SCT080	76	72			89%	NA	76	29.94	1014.2
05	04:56	N 3	10.00	Fair	CLR	76	73			89%	NA	76	29.95	1014.5
05	03:56	Calm	10.00	Fair	CLR	77	73			87%	NA	78	29.94	1014.2
05	02:56	Calm	10.00	Fair	CLR	78	73			85%	NA	80	29.94	1014.2
05	01:56	S 5	10.00	Fair	CLR	79	73	81	79	83%	NA	82	29.95	1014.5
05	00:56	S 6	10.00	Fair	CLR	79	74			84%	NA	83	29.94	1014.2
04	23:56	S 6	10.00	Fair	CLR	80	74			83%	NA	85	29.93	1013.8
04	22:54	S 6	10.00	Mostly Cloudy	BKN080	80	74			81%	NA	84	29.93	1013.8
04	21:56	S 3	10.00	Mostly Cloudy	BKN090	81	74			80%	NA	86	29.94	1014.2
04	20:56	Calm	10.00	Mostly Cloudy	BKN100	79	74			83%	NA	82	29.94	1014.2
04	19:56	Calm	10.00	Mostly Cloudy	BKN110	81	73	89	81	77%	NA	86	29.93	1013.8
04	18:56	S 3	10.00	Mostly Cloudy	BKN150	84	73			70%	NA	90	29.93	1013.8
04	17:56	S 7	10.00	Mostly Cloudy	BKN120	85	71			63%	NA	90	29.93	1013.8
04	16:56	S 8	10.00	Mostly Cloudy	BKN060	87	71			60%	NA	93	29.93	1013.8
04	15:56	S 10	10.00	Mostly Cloudy	SCT040 BKN200	88	70			55%	NA	93	29.94	1014.2
04	14:56	S 8	10.00	Mostly Cloudy	SCT060 BKN200	89	69			53%	NA	94	29.94	1014.2
04	13:56	SW 6	10.00	Partly Cloudy	SCT180	88	70	88	75	55%	NA	93	29.95	1014.5
04	12:56	Calm	10.00	Partly Cloudy	SCT210	87	71			58%	NA	92	29.97	1015.2
04	11:56	S 3	10.00	Partly Cloudy	SCT200	84	71			65%	NA	89	29.99	1015.9

04	10:56	SW 5	10.00	Partly Cloudy	SCT200	80	73			79%	NA	84	30.01	1016.5			
04	09:56	S 8	10.00	Partly Cloudy	FEW004 SCT250	77	73			88%	NA	78	30.01	1016.5			
04	08:56	W 3	10.00	Mostly Cloudy	SCT005 BKN250	76	72			89%	NA	76	30.03	1017.2			
04	07:56	S 6	10.00	A Few Clouds	FEW150	76	72	76	72	89%	NA	76	30.02	1016.9			
04	06:56	Calm	10.00	Fair	CLR	74	71			90%	NA	NA	30.02	1016.9			
04	05:56	Calm	10.00	Fair	CLR	74	71			90%	NA	NA	30.00	1016.2			
04	04:56	S 3	10.00	Fair	CLR	74	71			90%	NA	NA	29.98	1015.5			
04	03:56	S 5	10.00	Fair	CLR	75	71			90%	NA	NA	29.97	1015.2			
04	02:56	Calm	10.00	Fair	CLR	73	70			90%	NA	NA	29.97	1015.2			
04	01:56	Calm	10.00	Fair	CLR	73	69	78	72	90%	NA	NA	29.99	1015.9			
04	00:56	Calm	10.00	Fair	CLR	73	69			88%	NA	NA	29.99	1015.9			
03	23:56	Calm	10.00	Fair	CLR	75	71			85%	NA	NA	29.99	1015.9			
03	22:56	SE 5	10.00	Fair	CLR	75	70			85%	NA	NA	30.00	1016.2			
03	21:56	SE 3	10.00	A Few Clouds	FEW060	75	69			83%	NA	NA	30.00	1016.2			
03	20:56	SE 5	10.00	A Few Clouds	FEW050	76	69			78%	NA	77	30.00	1016.2			
03	19:56	SE 5	10.00	Partly Cloudy	SCT050	78	69	88	78	73%	NA	80	30.00	1016.2			
03	18:56	SE 6	10.00	A Few Clouds	FEW040	81	70			70%	NA	85	29.99	1015.9			
03	17:56	E 8	10.00	Partly Cloudy	SCT020	83	71			67%	NA	88	29.99	1015.9			
03	16:56	E 9	10.00	A Few Clouds	FEW050	85	67			55%	NA	88	29.98	1015.5			
03	15:56	NE 12	10.00	A Few Clouds	FEW035	86	66			51%	NA	88	29.98	1015.5			
03	14:56	NE 8	10.00	Partly Cloudy	SCT036	87	68			53%	NA	90	29.99	1015.9			
03	13:56	NE 8	10.00	Partly Cloudy	SCT036	86	69	87	75	57%	NA	90	29.99	1015.9			
03	12:56	E 5	10.00	Mostly Cloudy	BKN035	85	69			59%	NA	89	29.99	1015.9			
03	11:56	E 6	10.00	Partly Cloudy	SCT040	84	70			62%	NA	88	30.00	1016.2			
03	10:56	NE 7	10.00	Mostly Cloudy	SCT023 BKN045	84	71			64%	NA	89	30.01	1016.5			
03	09:56	NE 5	10.00	Mostly Cloudy	BKN017	82	72			70%	NA	86	30.01	1016.5			
Date	Time (edt)	Wind (mph)	Vis. (mi.)	Weather	Sky Cond.	Air	Dwpt	Max.	Min.	Relative Humidity	Wind Chill (°F)	Heat Index (°F)	altimeter (in.)	sea level (mb)	1 hr	3 hr	6 hr
								6 hour									



Company Name: Bhate Environmental Associates, Inc.
Company Contact: Diane Lazarus Telephone: 205-313-4849
Results To: Diane Lazarus email: dlazarus@bhate.com
Address: 1608 13th Avenue South, Suite 300
Birmingham, AL 35205
Project ID: AFCGSA1.0001/JBLE F2F
Ft. Eustis Stormwater - Semiannual

[illegible]

Sampled By:	Date/Time:	1 = <6°C	6 = Na ₂ S ₂ O ₃ + HCl	10 = Ascorbic Acid + HCl
Relinquished By:	Date/Time:	2 = HNO ₃	7 = NaOH + ZnOAc	11 = HCl
Received By:	Date/Time:	3 = H ₂ SO ₄	8 = H ₂ SO ₄ + FAS	12 = Zinc Acetate + NaOH
Relinquished By:	Date/Time:	4 = NaOH	9 = NH ₄ Cl	
Received By:	Date/Time:	5 = Na ₂ S ₂ O ₃		

_____ for Compliance	Outfall 064	pH/Temp	6.9 @ 23°C	Date	9/6/19	Time	1014	Analyst	DKH
_____ Not for Compliance	Outfall 065	pH/Temp	6.9 @ 22°C	Date	9/6/19	Time	1029	Analyst	DKH

Arrival Temp: 0.8 °C

JAMES R. REED and ASSOCIATES (757) 873-4703; FAX (757) 873-1498
770 Pilot House Drive, Newport News, VA 23606

770 Pilot House Drive, Newport News, VA 23606

REPORT OF ANALYSIS

CLIENT: Bhate Environmental Assoc.
ATTN: Diane Lazarus
ADDRESS: 1608 13th Ave. South, Ste 300
Birmingham, AL 35205
PHONE: 205-482-3750
EMAIL: dlazarus@bhate.com

REPORT NO: 19-161929:46
GRAB COLLECTION:
Date: 9/9/2019 Time: 1010
COMPOSITE COLLECTION:
Start Date: Time:
End Date: Time:



Special Notes:

AFCBPA2.0002-3918

RE: FORT EUSTIS STORMWATER - SEMIANNUAL (GRABS)

SAMPLE RECEIPT:

Date: 9/6/2019 Time: 1355

SAMPLE ID: OUTFALL 064

SAMPLE NO: 19-16192

Parameter	Method Number	JRA QL	Result	Unit	Analyst	Date	Time
pH (Field)	*4500H+B		6.9@23oC	s.u.	DKH	9/6/2019	1014
TSS	*2540D	1.0	1.3	mg/L	JGO	9/11/2019	1220
Flow			0.0076	mgd	DKH	9/6/2019	1011

NOTES:

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Results conform to NELAC standards, where applicable, unless otherwise indicated.

*SM 2011

VELAP Standards are not applicable to field pH.

cc: dbadio@bhate.com, Jonathon.m.colmer.civ@mail.mil,

loriquill@haztrain.com, timczysz@haztrain.com

RESPECTFULLY SUBMITTED

A handwritten signature in blue ink, appearing to read "Elaine Claiborne".

Elaine Claiborne
Laboratory Director

Date: 13-Sep-19

James R. Reed & Associates

770 Pilot House Drive, Newport News, VA 23606

(757) 873-4703 • Fax: (757) 873-1498

VELAP# 460013

EPA# VA00015



REPORT OF ANALYSIS

CLIENT: Bhate Environmental Assoc.
ATTN: Diane Lazarus
ADDRESS: 1608 13th Ave. South, Ste 300
Birmingham, AL 35205
PHONE: 205-482-3750
EMAIL: dlazarus@bhate.com

REPORT NO: 19-161939:46
GRAB COLLECTION:
Date: 9/9/2019 Time: 1025
COMPOSITE COLLECTION:
Start Date: Time:
End Date: Time:



Special Notes:

AFCBPA2.0002-3918

RE: FORT EUSTIS STORMWATER - SEMIANNUAL (GRABS)

SAMPLE RECEIPT:

Date: 9/6/2019 Time: 1355

SAMPLE ID: OUTFALL 065
SAMPLE NO: 19-16193

Parameter	Method Number	JRA QL	Result	Unit	Analyst	Date	Time
pH (Field)	*4500H+B		6.9@22oC	s.u.	DKH	9/6/2019	1029
TSS	*2540D	1.0	3.8	mg/L	JGO	9/11/2019	1220
Flow			0.0114	mgd	DKH	9/6/2019	1026

NOTES:

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*SM 2011

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cc: dbadio@bhate.com, Jonathon.m.colmer.civ@mail.mil,

loriquill@haztrain.com, timczysz@haztrain.com

RESPECTFULLY SUBMITTED

Elaine Claiborne
Laboratory Director

Date: 13-Sep-19

James R. Reed & Associates
770 Pilot House Drive, Newport News, VA 23606
(757) 873-4703 • Fax: (757) 873-1498

VELAP# 460013
EPA# VA00015



September 9, 2019

SUBMITTED TO:

Bhate Environmental Assoc.
ATTN: Diane Lazarus
1608 13th Ave. South, Suite 300
Birmingham, AL 35205

SUBMITTED BY:

James R. Reed and Associates
770 Pilot House Drive
Newport News, VA 23606
(757) 873-4703

Fort Eustis

Permit No.: VA0025216

Date: 9/06/19

Time: 1010

Outfall Location: 064

Visual Observation Performed by: David Harris (Reed & Assoc.)

Nature of Discharge: Stormwater

Visual Observations:

Parameter	Observations
Color	Clear
Odor	None
Clarity	Clear
Floating Solids	None
Settled Solids	None
Suspended Solids	None
Foam	None
Oil Sheen	None
Other indicators	None



Elaine Claiborne
Laboratory Director

Invoice: Bhate

September 9, 2019

SUBMITTED TO:

Bhate Environmental Assoc.
ATTN: Diane Lazarus
1608 13th Ave. South, Suite 300
Birmingham, AL 35205

SUBMITTED BY:

James R. Reed and Associates
770 Pilot House Drive
Newport News, VA 23606
(757) 873-4703

Fort Eustis

Permit No.: VA0025216

Date: 9/06/19

Time: 1025

Outfall Location: 065

Visual Observation Performed by: David Harris (Reed & Assoc.)

Nature of Discharge: Stormwater

Visual Observations:

Parameter	Observations
Color	Clear
Odor	None
Clarity	Clear
Floating Solids	None
Settled Solids	None
Suspended Solids	None
Foam	None
Oil Sheen	None
Other indicators	None



Elaine Claiborne
Laboratory Director

Invoice: Bhate



CHAIN OF CUSTODY

Ft. Eustis Stormwater - Annual

*SW-Stormwater, WW= Wastewater, GW = Groundwater, DW - Drinking Water, HW - Hazardous Waste, OTHERS

[illegible]

REPORT OF ANALYSIS

CLIENT: Bhate Environmental Assoc.
ATTN: Diane Lazarus
ADDRESS: 1608 13th Ave. South, Ste 300
Birmingham, AL 35205
PHONE: 205-482-3750
EMAIL: dlazarus@bhate.com

REPORT NO: 19-161949:51
GRAB COLLECTION:
Date: 9/6/2019 Time: 0950
COMPOSITE COLLECTION:
Start Date: Time:
End Date: Time:



Special Notes:

AFCBPA2.0002-3918

RE: FORT EUSTIS STORMWATER - ANNUAL (GRABS)

SAMPLE RECEIPT:

Date: 9/6/2019 Time: 1355

SAMPLE ID: OUTFALL 144
SAMPLE NO: 19-16194

Parameter	Method Number	JRA QL	Result	Unit	Analyst	Date	Time
pH (Field)	*4500H+B		6.8@23oC	s.u.	DKH	9/6/2019	0957
TSS	*2540D	1.0	1.2	mg/L	JGO	9/11/2019	1220
Total Nitrogen	351.2/353.2	0.5	< 0.5	mg/L	CMM	9/11/2019	1430
Total Kjeldahl Nitrogen	351.2	0.50	< 0.50	mg/L	CMM	9/11/2019	1155
Nitrate/Nitrite	353.2	0.06	< 0.06	mg/L	CTW	9/10/2019	0959
Total Phosphorus	365.1	0.10	< 0.10	mg/L	BRB	9/10/2019	0949
Flow			0.0114	mgd	DKH	9/6/2019	0952

NOTES:

JRA Quantification Level is the concentration of the lowest calibration standard above zero with a reliable signal.

Reproduction of this report is not permitted, except in full, without written approval from James R Reed & Associates.

The results on this report relate only to the sample(s) provided for analysis.

Results conform to NELAC standards, where applicable, unless otherwise indicated.

*SM 2011

VELAP Standards are not applicable to field pH and Total Nitrogen.

cc: dbadio@bhate.com, Jonathon.m.colmer.civ@mail.mil,

loriquill@haztrain.com, timczysz@haztrain.com

RESPECTFULLY SUBMITTED

A handwritten signature in blue ink that reads "Elaine Claiborne".

Elaine Claiborne
Laboratory Director

Date: 13-Sep-19

James R. Reed & Associates
770 Pilot House Drive, Newport News, VA 23606
(757) 873-4703 • Fax: (757) 873-1498

VELAP# 460013
EPA# VA00015





ANALYSES REQUESTED

Company Name: Bhate Environmental Associates, Inc.

Company Contact: Diane Lazarus
Telephone: 205-313-4849

Results To: Diane Lazarus email: dlazarus@bhate.com

Address: 1608 13th Avenue South. Suite 300

Birmingham, AL 35205
cc: dbadio@bhat.com

Project ID: AFCGSA1.0001/JBLE F2F

Ft. Eustis Stormwater - Semiannual

[illegible]

*SW-Stormwater, WW= Wastewater GW = Groundwater, DW - Drinking Water, HW - Hazardous Waste, OTHERS

Sampled By:

Relinquished By:

Received By:

Relinquished By:

Received By:

Date/Time:

Date/Time: 9/6/19 1355

Date/Time: 9/6/19 1354

Date/Time: _____

Date/Time: _____

for Compliance

Not for Compliance

Outfall 024 pH/Temp

Outfall 025 pH/Temp

7.0023C Date 9/6/19

6072% Date 9/1/18

Analyst D.K.H.

Analyst

cc: Bhate

Invoice: Bhate

Arrival Temp: 0.8 °C

JAMES R. REED and ASSOCIATES (757) 873-4703; FAX (757) 873-1498

770 Pilot House Drive, Newport News, VA 23606

REPORT OF ANALYSIS

CLIENT: Bhate Environmental Assoc.
ATTN: Diane Lazarus
ADDRESS: 1608 13th Ave. South, Ste 300
Birmingham, AL 35205
PHONE: 205-482-3750
EMAIL: dlazarus@bhate.com

REPORT NO: 19-161959:46
GRAB COLLECTION:
Date: 9/6/2019 Time: 0920
COMPOSITE COLLECTION:
Start Date: Time:
End Date: Time:



Special Notes:

AFCBPA2.0002-3918

RE: FORT EUSTIS STORMWATER - SEMIANNUAL (GRABS)

SAMPLE RECEIPT:

Date: 9/6/2019 Time: 1355

SAMPLE ID: OUTFALL 024
SAMPLE NO: 19-16195

Parameter	Method Number	JRA QL	Result	Unit	Analyst	Date	Time
pH (Field)	*4500H+B		7.0@23oC	s.u.	DKH	9/6/2019	0925
TSS	*2540D	1.0	<1.0	mg/L	JGO	9/11/2019	1220
Flow			0.0057	mgd	DKH	9/6/2019	0921

NOTES:

JRA Quantification Level is the concentration of the lowest calibration standard above zero with a reliable signal.

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The results on this report relate only to the sample(s) provided for analysis.

Results conform to NELAC standards, where applicable, unless otherwise indicated.

*SM 2011

VELAP Standards are not applicable to field pH.

cc: dbadio@bhate.com, Jonathon.m.colmer.civ@mail.mil,

loriquill@haztrain.com, timeczysz@haztrain.com

RESPECTFULLY SUBMITTED

A handwritten signature in blue ink that reads "Elaine Claiborne".

Elaine Claiborne
Laboratory Director

Date: 13-Sep-19

James R. Reed & Associates
770 Pilot House Drive, Newport News, VA 23606
(757) 873-4703 • Fax: (757) 873-1498

VELAP# 460013
EPA# VA00015



REPORT OF ANALYSIS

CLIENT: Bhate Environmental Assoc.
ATTN: Diane Lazarus
ADDRESS: 1608 13th Ave. South, Ste 300
Birmingham, AL 35205
PHONE: 205-482-3750
EMAIL: dlazarus@bhate.com

REPORT NO: 19-1619610:04
GRAB COLLECTION:
Date: 9/6/2019 Time: 0935
COMPOSITE COLLECTION:
Start Date: Time:
End Date: Time:



Special Notes:

AFCBPA2.0002-3918

RE: FORT EUSTIS STORMWATER - SEMIANNUAL (GRABS)

SAMPLE RECEIPT:

Date: 9/6/2019 Time: 1355

SAMPLE ID: OUTFALL 025
SAMPLE NO: 19-16196

Parameter	Method Number	JRA QL	Result	Unit	Analyst	Date	Time
pH (Field)	*4500H+B		6.6@22oC	s.u.	DKH	9/6/2019	0939
TSS	*2540D	1.0	1.1	mg/L	JGO	9/11/2019	1220
Flow			0.121	mgd	DKH	9/6/2019	0936

NOTES:

JRA Quantification Level is the concentration of the lowest calibration standard above zero with a reliable signal.

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Results conform to NELAC standards, where applicable, unless otherwise indicated.

*SM 2011

VELAP Standards are not applicable to field pH.

cc: dbadio@bhate.com, Jonathon.m.colmer.civ@mail.mil,

loriquill@haztrain.com, timczysz@haztrain.com

RESPECTFULLY SUBMITTED

A handwritten signature in blue ink that reads "Elaine Claiborne".

Elaine Claiborne
Laboratory Director

Date: 13-Sep-19

James R. Reed & Associates
770 Pilot House Drive, Newport News, VA 23606
(757) 873-4703 • Fax: (757) 873-1498

VELAP# 460013
EPA# VA00015



September 9, 2019

SUBMITTED TO:

Bhate Environmental Assoc.
ATTN: Diane Lazarus
1608 13th Ave. South, Suite 300
Birmingham, AL 35205

SUBMITTED BY:

James R. Reed and Associates
770 Pilot House Drive
Newport News, VA 23606
(757) 873-4703

Fort Eustis

Permit No.: VA0025216

Date: 9/06/19

Time: 0920


Outfall Location: 024

Visual Observation Performed by: David Harris (Reed & Assoc.)

Nature of Discharge: Stormwater

Visual Observations:

Parameter	Observations
Color	Clear
Odor	None
Clarity	Clear
Floating Solids	None
Settled Solids	None
Suspended Solids	None
Foam	None
Oil Sheen	None
Other indicators	None


Elaine Claiborne
Laboratory Director

Invoice: Bhate

September 9, 2019

SUBMITTED TO:

Bhate Environmental Assoc.
ATTN: Diane Lazarus
1608 13th Ave. South, Suite 300
Birmingham, AL 35205

SUBMITTED BY:

James R. Reed and Associates
770 Pilot House Drive
Newport News, VA 23606
(757) 873-4703

Fort Eustis

Permit No.: VA0025216

Date: 9/06/19

Time: 0935

Outfall Location: 025

Visual Observation Performed by: David Harris (Reed & Assoc.)

Nature of Discharge: Stormwater

Visual Observations:

Parameter	Observations
Color	Clear
Odor	None
Clarity	Clear
Floating Solids	None
Settled Solids	None
Suspended Solids	None
Foam	None
Oil Sheen	None
Other indicators	None



Elaine Claiborne
Laboratory Director

Invoice: Bhate



CHAIN OF CUSTODY

Ft. Eustis Stormwater - Semiannual

*SW=Stormwater, WW=Wastewater, GW = Groundwater, DW - Drinking Water, HW - Hazardous Waste, OTHERS

Arrival Temp: 20.0 °C

JAMES R. REED and ASSOCIATES (757) 873-4703; FAX (757) 873-1498
770 Pilot House Drive, Newport News, VA 23606

REPORT OF ANALYSIS

CLIENT: Bhate Environmental Assoc.
ATTN: Diane Lazarus
ADDRESS: 1608 13th Ave. South, Ste 300
Birmingham, AL 35205
PHONE: 205-482-3750
EMAIL: dlazarus@bhate.com

REPORT NO: 19-161979:46
GRAB COLLECTION:
Date: 9/6/2019 Time: 0840
COMPOSITE COLLECTION:
Start Date: Time:
End Date: Time:



Special Notes:

AFCBPA2.0002-3918

RE: FORT EUSTIS STORMWATER - SEMIANNUAL (GRABS)

SAMPLE RECEIPT:

Date: 9/6/2019 Time: 1355

SAMPLE ID: OUTFALL 006
SAMPLE NO: 19-16197

Parameter	Method Number	JRA QL	Result	Unit	Analyst	Date	Time
pH (Field)	*4500H+B		6.8@24oC	s.u.	DKH	9/6/2019	0843
TSS	*2540D	1.0	1.0	mg/L	JGO	9/11/2019	1220
Flow			0.0076	mgd	DKH	9/6/2019	0841

NOTES:

JRA Quantification Level is the concentration of the lowest calibration standard above zero with a reliable signal.

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*SM 2011

VELAP Standards are not applicable to field pH.

cc: dbadio@bhate.com, Jonathon.m.colmer.civ@mail.mil,

loriquill@haztrain.com, timczysz@haztrain.com

RESPECTFULLY SUBMITTED

A handwritten signature in blue ink that reads "Elaine Claiborne".

Elaine Claiborne
Laboratory Director

Date: 13-Sep-19

James R. Reed & Associates
770 Pilot House Drive, Newport News, VA 23606
(757) 873-4703 • Fax: (757) 873-1498

VELAP# 460013
EPA# VA00015



REPORT OF ANALYSIS

CLIENT: Bhate Environmental Assoc.
ATTN: Diane Lazarus
ADDRESS: 1608 13th Ave. South, Ste 300
Birmingham, AL 35205
PHONE: 205-482-3750
EMAIL: dlazarus@bhate.com

REPORT NO: 19-161989:46

GRAB COLLECTION:

Date: 9/6/2019 Time: 0850

COMPOSITE COLLECTION:

Start Date: Time:

End Date: Time:

SAMPLE RECEIPT:

Date: 9/6/2019 Time: 1355



Special Notes:

AFCBPA2.0002-3918

RE: FORT EUSTIS STORMWATER - SEMIANNUAL (GRABS)

SAMPLE ID: OUTFALL 080

SAMPLE NO: 19-16198

Parameter	Method Number	JRA QL	Result	Unit	Analyst	Date	Time
pH (Field)	*4500H+B		6.8@22oC	s.u.	DKH	9/6/2019	0855
TSS	*2540D	1.0	1.0	mg/L	JGO	9/11/2019	1220
Flow			0.0046	mgd	DKH	9/6/2019	0852

NOTES:

JRA Quantification Level is the concentration of the lowest calibration standard above zero with a reliable signal.

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Results conform to NELAC standards, where applicable, unless otherwise indicated.

*SM 2011

VELAP Standards are not applicable to field pH.

cc: dbadio@bhate.com, Jonathon.m.colmer.civ@mail.mil,

loriquill@haztrain.com, timczysz@haztrain.com

RESPECTFULLY SUBMITTED

Elaine Claiborne
Laboratory Director

Date: 13-Sep-19

James R. Reed & Associates

770 Pilot House Drive, Newport News, VA 23606

(757) 873-4703 • Fax: (757) 873-1498

VELAP# 460013

EPA# VA00015



REPORT OF ANALYSIS

CLIENT: Bhate Environmental Assoc.
ATTN: Diane Lazarus
ADDRESS: 1608 13th Ave. South, Ste 300
Birmingham, AL 35205
PHONE: 205-482-3750
EMAIL: dlazarus@bhate.com

REPORT NO: 19-161999:46
GRAB COLLECTION:
Date: 9/6/2019 Time: 0900
COMPOSITE COLLECTION:
Start Date: Time:
End Date: Time:



Special Notes:

AFCBPA2.0002-3918

RE: FORT EUSTIS STORMWATER - SEMIANNUAL (GRABS)

SAMPLE RECEIPT:

Date: 9/6/2019 Time: 1355

SAMPLE ID: OUTFALL 139

SAMPLE NO: 19-16199

Parameter	Method Number	JRA QL	Result	Unit	Analyst	Date	Time
pH (Field)	*4500H+B		6.6@24oC	s.u.	DKH	9/6/2019	0904
TSS	*2540D	1.0	1.3	mg/L	JGO	9/10/2019	1250
Flow			0.0076	mgd	DKH	9/6/2019	0901

NOTES:

JRA Quantification Level is the concentration of the lowest calibration standard above zero with a reliable signal.

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Results conform to NELAC standards, where applicable, unless otherwise indicated.

*SM 2011

VELAP Standards are not applicable to field pH.

cc: dbadio@bhate.com, Jonathon.m.colmer.civ@mail.mil,

loriquill@haztrain.com, timczysz@haztrain.com

RESPECTFULLY SUBMITTED

A handwritten signature in blue ink, appearing to read "Elaine Claiborne".

Elaine Claiborne
Laboratory Director

Date: 13-Sep-19

James R. Reed & Associates

770 Pilot House Drive, Newport News, VA 23606

(757) 873-4703 • Fax: (757) 873-1498

VELAP# 460013

EPA# VA00015





September 9, 2019

SUBMITTED TO:

Bhate Environmental Assoc.
ATTN: Diane Lazarus
1608 13th Ave. South, Suite 300
Birmingham, AL 35205

SUBMITTED BY:

James R. Reed and Associates
770 Pilot House Drive
Newport News, VA 23606
(757) 873-4703

Fort Eustis

Permit No.: VA0025216

Date: 9/06/19

Time: 0840

Outfall Location: 006

Visual Observation Performed by: David Harris (Reed & Assoc.)

Nature of Discharge: Stormwater

Visual Observations:

Parameter	Observations
Color	Clear
Odor	None
Clarity	Clear
Floating Solids	None
Settled Solids	None
Suspended Solids	None
Foam	None
Oil Sheen	None
Other indicators	None

Elaine Claiborne

Elaine Claiborne
Laboratory Director

Invoice: Bhate

September 9, 2019

SUBMITTED TO:

Bhate Environmental Assoc.
ATTN: Diane Lazarus
1608 13th Ave. South, Suite 300
Birmingham, AL 35205

SUBMITTED BY:

James R. Reed and Associates
770 Pilot House Drive
Newport News, VA 23606
(757) 873-4703

Fort Eustis

Permit No.: VA0025216

Date: 9/06/19

Time: 0850

Outfall Location: 080

Visual Observation Performed by: David Harris (Reed & Assoc.)

Nature of Discharge: Stormwater

Visual Observations:

Parameter	Observations
Color	Clear
Odor	None
Clarity	Clear
Floating Solids	None
Settled Solids	None
Suspended Solids	None
Foam	None
Oil Sheen	None
Other indicators	None

Elaine Claiborne

Elaine Claiborne
Laboratory Director

Invoice: Bhate

September 9, 2019

SUBMITTED TO:

Bhate Environmental Assoc.
ATTN: Diane Lazarus
1608 13th Ave. South, Suite 300
Birmingham, AL 35205

SUBMITTED BY:

James R. Reed and Associates
770 Pilot House Drive
Newport News, VA 23606
(757) 873-4703

Fort Eustis

Permit No.: VA0025216

Date: 9/06/19

Time: 0900

Outfall Location: 139

Visual Observation Performed by: David Harris (Reed & Assoc.)

Nature of Discharge: Stormwater

Visual Observations:

Parameter	Observations
Color	Clear
Odor	None
Clarity	Clear
Floating Solids	None
Settled Solids	None
Suspended Solids	None
Foam	None
Oil Sheen	None
Other indicators	None



Elaine Claiborne
Laboratory Director

Invoice: Bhate

APPENDIX E

QUARTERLY STORMWATER VISUAL MONITORING INSPECTION SUMMARIES

2019 COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
JBLE - EUSTIS

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2019 COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
JBLE - EUSTIS

FIRST QUARTER 2019 VISUAL STORMWATER INSPECTION SUMMARY
24 January 2019

Outfall	Color	Odor	Clear	Floating solids	Settled solids	Suspended solids	Foam	Oil sheen	Other indicators
006	No	No	Yes	No	No	No	No	No	No
024	No	No	Yes	No	No	No	No	No	No
025	Light Brown	No	Slightly cloudy	No	No	No	No	No	No
064	No	No	Yes	No	No	No	No	No	No
065	No	No	Yes	No	No	No	No	No	No
080	No	No	Yes	No	No	No	No	No	No
139	No	No	Yes	No	No	No	No	No	No

2019 COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
JBLE - EUSTIS

SECOND QUARTER 2019 VISUAL STORMWATER INSPECTION SUMMARY
17 June 2019

Outfall	Color	Odor	Clear	Floating solids	Settled solids	Suspended solids	Foam	Oil sheen	Other indicators
006	No	No	Yes	No	No	No	No	No	No
024	No	No	Yes	Yes, trace amounts	No	No	No	No	No
025*	-	-	-	-	-	-	-	-	-
064	No	No	Yes	No	No	No	No	No	No
065	Yes, Greyish blue	No	Yes	Trace Amounts	Trace Amounts	Trace Amounts	No	No	No
080	No	No	Yes	No	No	No	No	No	No
139	No	No	Yes	No	No	No	No	No	No

*There was no flow at this outfall during the time of the inspection.

2019 COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
JBLE - EUSTIS

THIRD QUARTER 2019 VISUAL STORMWATER INSPECTION SUMMARY
06 September 2019

Outfall	Color	Odor	Clear	Floating solids	Settled solids	Suspended solids	Foam	Oil sheen	Other indicators
006	No	No	Yes	No	No	No	No	No	No
024	No	No	Yes	No	No	No	No	No	No
025	No	No	Yes	No	No	No	No	No	No
064	No	No	Yes	No	No	No	No	No	No
065	No	No	Yes	No	No	No	No	No	No
080	No	No	Yes	No	No	no	No	No	No
139	No	No	Yes	No	No	No	No	No	No

2019 COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT
JBLE - EUSTIS

***FOURTH QUARTER 2019 VISUAL STORMWATER INSPECTION SUMMARY
20 October 2019***

Outfall	Color	Odor	Clear	Floating solids	Settled solids	Suspended solids	Foam	Oil sheen	Other indicators
006	No	No	Yes	No	No	No	No	No	No
024	No	No	Yes	No	No	No	No	No	No
025	No	No	Yes	No	No	No	No	No	No
064	No	No	Yes	No	No	No	No	No	No
065	No	No	Yes	No	No	No	No	No	No
080	No	No	Yes	No	No	No	No	No	No
139	No	No	Yes	No	Trace Amounts	No	No	No	No



June 27, 2019

SUBMITTED TO:

Bhate Environmental Assoc.
ATTN: Diane Lazarus
1608 13th Ave. South, Suite 300
Birmingham, AL 35205

SUBMITTED BY:

James R. Reed and Associates
770 Pilot House Drive
Newport News, VA 23606
(757) 873-4703

Fort Eustis

Permit No.: VA0025216

Date: 6/17/19

Time: 1749

Outfall Location: 006

Visual Observation Performed by: Barbara Starks (Reed & Assoc.)

Nature of Discharge: Runoff

Visual Observations:

Parameter	Observations
Color	Clear
Odor	None
Clarity	Clear
Floating Solids	None
Settled Solids	None
Suspended Solids	None
Foam	None
Oil Sheen	None
Other indicators	None



Elaine Claiborne
Laboratory Director

Invoice: Bhate

June 27, 2019

SUBMITTED TO:

Bhate Environmental Assoc.
ATTN: Diane Lazarus
1608 13th Ave. South, Suite 300
Birmingham, AL 35205

SUBMITTED BY:

James R. Reed and Associates
770 Pilot House Drive
Newport News, VA 23606
(757) 873-4703

Fort Eustis

Permit No.: VA0025216

Date: 6/17/19

Time: 1745

Outfall Location: 080

Visual Observation Performed by: Barbara Starks (Reed & Assoc.)

Nature of Discharge: Runoff

Visual Observations:

Parameter	Observations
Color	Clear
Odor	None
Clarity	Clear
Floating Solids	None
Settled Solids	None
Suspended Solids	None
Foam	None
Oil Sheen	None
Other indicators	None



Elaine Claiborne
Laboratory Director

Invoice: Bhate

June 27, 2019

SUBMITTED TO:

Bhate Environmental Assoc.
ATTN: Diane Lazarus
1608 13th Ave. South, Suite 300
Birmingham, AL 35205

SUBMITTED BY:

James R. Reed and Associates
770 Pilot House Drive
Newport News, VA 23606
(757) 873-4703

Fort Eustis

Permit No.: VA0025216

Date: 6/17/19

Time: 1747

Outfall Location: 139

Visual Observation Performed by: Barbara Starks (Reed & Assoc.)

Nature of Discharge: Runoff

Visual Observations:

Parameter	Observations
Color	Clear
Odor	None
Clarity	Clear
Floating Solids	None
Settled Solids	None
Suspended Solids	None
Foam	None
Oil Sheen	None
Other indicators	None



Elaine Claiborne
Laboratory Director

Invoice: Bhate

June 27, 2019

SUBMITTED TO:

Bhate Environmental Assoc.
ATTN: Diane Lazarus
1608 13th Ave. South, Suite 300
Birmingham, AL 35205

SUBMITTED BY:

James R. Reed and Associates
770 Pilot House Drive
Newport News, VA 23606
(757) 873-4703

Fort Eustis

Permit No.: VA0025216

Date: 6/17/19

Time: 1755

Outfall Location: 024

Visual Observation Performed by: Barbara Starks (Reed & Assoc.)

Nature of Discharge: Runoff

Visual Observations:

Parameter	Observations
Color	Clear
Odor	None
Clarity	Clear
Floating Solids	Trace Amounts
Settled Solids	None
Suspended Solids	None
Foam	None
Oil Sheen	None
Other indicators	None



Elaine Claiborne
Laboratory Director

Invoice: Bhate

June 27, 2019

SUBMITTED TO:

Bhate Environmental Assoc.
ATTN: Diane Lazarus
1608 13th Ave. South, Suite 300
Birmingham, AL 35205

SUBMITTED BY:

James R. Reed and Associates
770 Pilot House Drive
Newport News, VA 23606
(757) 873-4703

Fort Eustis

Permit No.: VA0025216

Date: 6/17/19

Time: 1758

Outfall Location: 025

Visual Observation Performed by: Barbara Starks (Reed & Assoc.)

Nature of Discharge: Runoff

Visual Observations:

Parameter	Observations
Color	No Flow (Dry) The weather was too dry. The small amount of rain was absorbed fast.
Odor	
Clarity	
Floating Solids	
Settled Solids	
Suspended Solids	
Foam	
Oil Sheen	
Other indicators	



Elaine Claiborne
Laboratory Director

Invoice: Bhate

June 27, 2019

SUBMITTED TO:

Bhate Environmental Assoc.
ATTN: Diane Lazarus
1608 13th Ave. South, Suite 300
Birmingham, AL 35205

SUBMITTED BY:

James R. Reed and Associates
770 Pilot House Drive
Newport News, VA 23606
(757) 873-4703

Fort Eustis

Permit No.: VA0025216

Date: 6/17/19

Time: 1810

Outfall Location: 064

Visual Observation Performed by: Barbara Starks (Reed & Assoc.)

Nature of Discharge: Runoff

Visual Observations:

Parameter	Observations
Color	Clear
Odor	None
Clarity	Clear
Floating Solids	None
Settled Solids	None
Suspended Solids	None
Foam	None
Oil Sheen	None
Other indicators	None



Elaine Claiborne
Laboratory Director

Invoice: Bhate

June 27, 2019

SUBMITTED TO:

Bhate Environmental Assoc.
ATTN: Diane Lazarus
1608 13th Ave. South, Suite 300
Birmingham, AL 35205

SUBMITTED BY:

James R. Reed and Associates
770 Pilot House Drive
Newport News, VA 23606
(757) 873-4703

Fort Eustis

Permit No.: VA0025216

Date: 6/17/19

Time: 1813

Outfall Location: 065

Visual Observation Performed by: Barbara Starks (Reed & Assoc.)

Nature of Discharge: Runoff

Visual Observations:

Parameter	Observations
Color	Greyish blue
Odor	None
Clarity	Clear
Floating Solids	Trace Amounts
Settled Solids	Trace Amounts
Suspended Solids	Trace Amounts
Foam	None
Oil Sheen	None
Other indicators	None



Elaine Claiborne
Laboratory Director

Invoice: Bhate



16 September 2019

Joint Base Langley Eustis - Eustis
B1407 Washington Ave
Fort Eustis, VA 23604
Attn: Mr. Jonathon Colmer

GSA Call Order No: ID07190002 (Fence to Fence Environmental Services at JBLE, JB Andrews, Dover AFB)
GSA Contract No.: GS07Q16BGA0010
GSA Order No.: 47QFWA19F0020
Deliverable(s): JBLE-Eustis Stormwater Analytical Results (CDRL A020)
Bhate Project No.: AFCBPA2.0002.0001

Dear Mr. Colmer,

Attached please find the results of the visual monitoring inspection and laboratory report for stormwater samples collected during the inspection at JBLE-Eustis on 6 September 2019. The samples were analyzed for pH and total suspended solids (TSS). The sample from OUTFALL 144 was also analyzed for total nitrogen, total kjeldahl nitrogen (TKN), nitrate/nitrite and total phosphorus.

All requirements for the visual inspection were met. No quality control issues were found in the laboratory reports.

If you have any questions, please contact me at 205-777-7563.

Respectfully submitted,

A handwritten signature in dark ink, appearing to read "DBADIO", is written over a horizontal line.

David Badio
Chemist
Bhate Environmental Associates, Inc.
1608 13th Avenue South, Suite 300
Birmingham, AL 35205

CC: Diane Lazarus, Bhate
Lori Quill, HazTrain

Storm Event Record

To be filled out for every storm event of ≥ 0.1 inch of rain fall (except snowmelt monitoring). For snowmelt monitoring, identify the date of the sampling event.

1. Date/Time storm event started: 9/6/19 0300/0500
2. Date/Time storm event achieved 0.1 inch: 9/6/19 0800
3. Date/Time storm event ended: 9/6/19 0830
4. Event total accumulation (inches): 0.12
5. Date/Time last storm event ended: 8/24/19 0200

Was the 72-hour storm event interval met? (circle one)
(If no, waiver must be obtained.)

YES

NO

6. If all sampling requirements were met (see notes 1 and 2 below) were storm samples taken?
If so, record which outfalls were sampled.

006, 080, 139, 024, 025, 144, 064, 065



All required samples and visual inspections are complete

7. If not, record reason(s) samples were not taken.

☐ Snow/no melt
☐ Dangerous weather
☐ Access impeded/denied
☐ High tide
☐ Other (explain) _____

David Harris

Name

9/6/19

Date

Notes:

- 1) Samples cannot be collected within 72 hours of the end of the previous rain event in magnitude of 0.1 inch. Storm events are not considered over until no measurable rain has fallen for a minimum of 12 hours.
- 2) Samples and visual inspections must be taken during the first 30 minutes of discharge and completed within 3 hours of achieving 0.1 inch of rain.

9-6-19 S/W



Weather observations for the past 3 days

Fort Eustis / Felker

weather.gov



Enter Your "City, ST" or zip code

Go

metric

Date	Time (edt)	Wind (mph)	Vis. (mi.)	Weather	Sky Cond.	Temperature (°F)				Relative Humidity	Wind Chill (°F)	Heat Index (°F)	Pressure		Precipitation (in.)		
						Air	Dwpt	6 hour					altimeter (in)	sea level (mb)	1 hr	3 hr	6 hr
								Max.	Min.								
06	07:56	NE 13 G 23	7.00	Light Rain	OVC010	73	68	76	73	83%	NA	NA	29.58	1002.0	0.05		0.12
06	06:56	NE 13 G 22	9.00	Light Rain	OVC011	74	68			83%	NA	NA	29.61	1003.0	0.06		
06	05:56	NE 15 G 26	10.00	Light Rain	OVC012	76	69			80%	NA	77	29.63	1003.7			
06	04:56	NE 14 G 25	10.00	Light Drizzle	BKN014	76	69			80%	NA	77	29.64	1004.0		0.01	
06	03:56	NE 15 G 30	10.00	Light Rain	OVC011	76	70			81%	NA	77	29.69	1005.7			
06	02:56	NE 13 G 24	10.00	Overcast	OVC012	76	70			81%	NA	77	29.70	1006.0	0.01		
06	01:56	NE 10 G 21	10.00	Mostly Cloudy	BKN015 BKN022	76	69	77	76	79%	NA	77	29.75	1007.7			
06	00:56	NE 16 G 21	10.00	Overcast	OVC012	76	69			80%	NA	77	29.77	1008.4			
05	23:56	NE 10 G 18	10.00	Overcast	BKN013 BKN020 OVC060	77	70			80%	NA	79	29.82	1010.1			
05	22:56	NE 10 G 23	10.00	Overcast	OVC012	76	70			81%	NA	77	29.82	1010.1			
05	21:56	NE 12	10.00	Overcast	OVC011	76	70			81%	NA	77	29.85	1011.1			
05	20:56	NE 8 G 18	10.00	Overcast	OVC011	76	70			82%	NA	77	29.85	1011.1			
05	19:56	E 10 G 20	10.00	Overcast	BKN012 OVC018	77	71	85	76	83%	NA	78	29.87	1011.8			
05	18:56	NE 13	10.00	Mostly Cloudy	BKN013	77	72			84%	NA	78	29.87	1011.8			
05	17:56	E 14 G 20	10.00	Overcast	OVC013	80	71			76%	NA	84	29.88	1012.1			
05	16:56	NE 10 G 18	10.00	Mostly Cloudy	BKN014 BKN021 BKN027	81	72			75%	NA	85	29.89	1012.5			

05	15:56	NE 14 G 21	10.00	Mostly Cloudy	BKN017 BKN075	82	73			74%	NA	87	29.90	1012.8
05	14:56	E 13	10.00	Mostly Cloudy	BKN017 BKN090	85	73			67%	NA	92	29.91	1013.2
05	12:56	E 9	10.00	Mostly Cloudy	BKN020 BKN050 BKN090	84	72			68%	NA	90	29.92	1013.5
05	11:56	NE 9	10.00	Mostly Cloudy	BKN060 BKN190	84	72			68%	NA	90	29.94	1014.2
05	10:56	E 7	10.00	Mostly Cloudy	FEW020 BKN060	83	72			71%	NA	89	29.95	1014.5
05	09:56	NE 6	10.00	Mostly Cloudy	FEW020 BKN080	80	75			84%	NA	85	29.95	1014.5
05	08:56	Calm	10.00	Overcast	OVC085	79	74			87%	NA	83	29.97	1015.2
05	07:56	Calm	10.00	Mostly Cloudy	SCT020 BKN080	77	74	79	76	90%	NA	78	29.97	1015.2
05	06:56	Calm	10.00	Mostly Cloudy	BKN090	76	73			90%	NA	76	29.95	1014.5
05	05:56	Calm	10.00	Partly Cloudy	SCT060 SCT080	76	72			89%	NA	76	29.94	1014.2
05	04:56	N 3	10.00	Fair	CLR	76	73			89%	NA	76	29.95	1014.5
05	03:56	Calm	10.00	Fair	CLR	77	73			87%	NA	78	29.94	1014.2
05	02:56	Calm	10.00	Fair	CLR	78	73			85%	NA	80	29.94	1014.2
05	01:56	S 5	10.00	Fair	CLR	79	73	81	79	83%	NA	82	29.95	1014.5
05	00:56	S 6	10.00	Fair	CLR	79	74			84%	NA	83	29.94	1014.2
04	23:56	S 6	10.00	Fair	CLR	80	74			83%	NA	85	29.93	1013.8
04	22:54	S 6	10.00	Mostly Cloudy	BKN080	80	74			81%	NA	84	29.93	1013.8
04	21:56	S 3	10.00	Mostly Cloudy	BKN090	81	74			80%	NA	86	29.94	1014.2
04	20:56	Calm	10.00	Mostly Cloudy	BKN100	79	74			83%	NA	82	29.94	1014.2
04	19:56	Calm	10.00	Mostly Cloudy	BKN110	81	73	89	81	77%	NA	86	29.93	1013.8
04	18:56	S 3	10.00	Mostly Cloudy	BKN150	84	73			70%	NA	90	29.93	1013.8
04	17:56	S 7	10.00	Mostly Cloudy	BKN120	85	71			63%	NA	90	29.93	1013.8
04	16:56	S 8	10.00	Mostly Cloudy	BKN060	87	71			60%	NA	93	29.93	1013.8
04	15:56	S 10	10.00	Mostly Cloudy	SCT040 BKN200	88	70			55%	NA	93	29.94	1014.2
04	14:56	S 8	10.00	Mostly Cloudy	SCT060 BKN200	89	69			53%	NA	94	29.94	1014.2
04	13:56	SW 6	10.00	Partly Cloudy	SCT180	88	70	88	75	55%	NA	93	29.95	1014.5
04	12:56	Calm	10.00	Partly Cloudy	SCT210	87	71			58%	NA	92	29.97	1015.2
04	11:56	S 3	10.00	Partly Cloudy	SCT200	84	71			65%	NA	89	29.99	1015.9

04	10:56	SW 5	10.00	Partly Cloudy	SCT200	80	73		79%	NA	84	30.01	1016.5
04	09:56	S 8	10.00	Partly Cloudy	FEW004 SCT250	77	73		88%	NA	78	30.01	1016.5
04	08:56	W 3	10.00	Mostly Cloudy	SCT005 BKN250	76	72		89%	NA	76	30.03	1017.2
04	07:56	S 6	10.00	A Few Clouds	FEW150	76	72	76 72	89%	NA	76	30.02	1016.9
04	06:56	Calm	10.00	Fair	CLR	74	71		90%	NA	NA	30.02	1016.9
04	05:56	Calm	10.00	Fair	CLR	74	71		90%	NA	NA	30.00	1016.2
04	04:56	S 3	10.00	Fair	CLR	74	71		90%	NA	NA	29.98	1015.5
04	03:56	S 5	10.00	Fair	CLR	75	71		90%	NA	NA	29.97	1015.2
04	02:56	Calm	10.00	Fair	CLR	73	70		90%	NA	NA	29.97	1015.2
04	01:56	Calm	10.00	Fair	CLR	73	69	78 72	90%	NA	NA	29.99	1015.9
04	00:56	Calm	10.00	Fair	CLR	73	69		88%	NA	NA	29.99	1015.9
03	23:56	Calm	10.00	Fair	CLR	75	71		85%	NA	NA	29.99	1015.9
03	22:56	SE 5	10.00	Fair	CLR	75	70		85%	NA	NA	30.00	1016.2
03	21:56	SE 3	10.00	A Few Clouds	FEW060	75	69		83%	NA	NA	30.00	1016.2
03	20:56	SE 5	10.00	A Few Clouds	FEW050	76	69		78%	NA	77	30.00	1016.2
03	19:56	SE 5	10.00	Partly Cloudy	SCT050	78	69	88 78	73%	NA	80	30.00	1016.2
03	18:56	SE 6	10.00	A Few Clouds	FEW040	81	70		70%	NA	85	29.99	1015.9
03	17:56	E 8	10.00	Partly Cloudy	SCT020	83	71		67%	NA	88	29.99	1015.9
03	16:56	E 9	10.00	A Few Clouds	FEW050	85	67		55%	NA	88	29.98	1015.5
03	15:56	NE 12	10.00	A Few Clouds	FEW035	86	66		51%	NA	88	29.98	1015.5
03	14:56	NE 8	10.00	Partly Cloudy	SCT036	87	68		53%	NA	90	29.99	1015.9
03	13:56	NE 8	10.00	Partly Cloudy	SCT036	86	69	87 75	57%	NA	90	29.99	1015.9
03	12:56	E 5	10.00	Mostly Cloudy	BKN035	85	69		59%	NA	89	29.99	1015.9
03	11:56	E 6	10.00	Partly Cloudy	SCT040	84	70		62%	NA	88	30.00	1016.2
03	10:56	NE 7	10.00	Mostly Cloudy	SCT023 BKN045	84	71		64%	NA	89	30.01	1016.5
03	09:56	NE 5	10.00	Mostly Cloudy	BKN017	82	72		70%	NA	86	30.01	1016.5

D a t e	Time (edt)	Wind (mph)	Vis. (mi.)	Weather	Sky Cond.	Air Temp	Dwpt 6 hour	Max. Min.	Relative Humidity	Wind Chill (°F)	Heat Index (°F)	altimeter (in.) Pressure	sea level (mb)	1 hr Precipitation (in.)	3 hr	6 hr
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National Weather Service
Southern Region Headquarters
Fort Worth Texas
Disclaimer

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CHAIN OF CUSTODY

Company Name: Bhate Environmental Associates, Inc.

Company Contact: Diane Lazarus
Telephone: 205-313-4849

Results To: Diane Lazarus
email: dlazarus@bhate.com

Address: 1608 13th Avenue South, Suite 300

Birmingham, AL 35205
cc: dbadio@bhate.com

Project ID: AFCGSA1.0001/JBLE F2F

Ft. Eustis Stormwater - Semiannual

[illegible]

SW=Stormwater, WW= Wastewater, GW = Groundwater, DW - Drinking Water, HW - Hazardous Waste, OTHERS

Sampled By:

Retiniquished By:

Received By:

Relinquished By:

Received By:

Date/Time:

Date/Time:

Date/Time:

Date/Time:

Date/Time:

Date/Time: 5pp. 9602P

Date/Time: 9/12/19 1355

Date/Time: 9/6/19 1355

Date/Time: _____

Date/Time: _____

for Compliance

Not for Compliance

Outfall 064 pH/Temp 6.9 @ 23°C Date 9/6/19 Time 10:14 Analyst DKH

Outfall	pH	Temp	Date	Time	Analyst	DKH
6.90	22°C	9/6/19	1029			

cc: Bhate

Invoice: Bhate

Arrival Temp: 0.8 °C

JAMES R. REED and ASSOCIATES (757) 873-4703; FAX (757) 873-1498
770 Pilot House Drive, Newport News, VA 23606

770 Pilot House Drive, Newport News, VA 23606

REPORT OF ANALYSIS

CLIENT: Bhate Environmental Assoc.
ATTN: Diane Lazarus
ADDRESS: 1608 13th Ave. South, Ste 300
Birmingham, AL 35205
PHONE: 205-482-3750
EMAIL: dlazarus@bhate.com

REPORT NO: 19-161929:46
GRAB COLLECTION:
Date: 9/9/2019 Time: 1010
COMPOSITE COLLECTION:
Start Date: Time:
End Date: Time:



Special Notes:

AFCBPA2.0002-3918

RE: FORT EUSTIS STORMWATER - SEMIANNUAL (GRABS)

SAMPLE RECEIPT:
Date: 9/6/2019 Time: 1355

SAMPLE ID: OUTFALL 064
SAMPLE NO: 19-16192

Parameter	Method Number	JRA QL	Result	Unit	Analyst	Date	Time
pH (Field)	*4500H+B		6.9@23oC	s.u.	DKH	9/6/2019	1014
TSS	*2540D	1.0	1.3	mg/L	JGO	9/11/2019	1220
Flow			0.0076	mgd	DKH	9/6/2019	1011

NOTES:

JRA Quantification Level is the concentration of the lowest calibration standard above zero with a reliable signal.

Reproduction of this report is not permitted, except in full, without written approval from James R Reed & Associates.

The results on this report relate only to the sample(s) provided for analysis.

Results conform to NELAP standards, where applicable, unless otherwise indicated.

*SM 2011

VELAP Standards are not applicable to field pH.

cc: dbadio@bhate.com, Jonathon.m.colmer.civ@mail.mil,

loriquill@haztrain.com, timczysz@haztrain.com

RESPECTFULLY SUBMITTED

Elaine Claiborne
Laboratory Director

Date: 13-Sep-19

James R. Reed & Associates

770 Pilot House Drive, Newport News, VA 23606

(757) 873-4703 • Fax: (757) 873-1498

VELAP# 460013

EPA# VA00015



REPORT OF ANALYSIS

CLIENT: Bhate Environmental Assoc.
ATTN: Diane Lazarus
ADDRESS: 1608 13th Ave. South, Ste 300
Birmingham, AL 35205
PHONE: 205-482-3750
EMAIL: dlazarus@bhate.com

REPORT NO: 19-161939:46
GRAB COLLECTION:
Date: 9/9/2019 Time: 1025
COMPOSITE COLLECTION:
Start Date: Time:
End Date: Time:
SAMPLE RECEIPT:
Date: 9/6/2019 Time: 1355



Special Notes:

AFCBPA2.0002-3918

RE: FORT EUSTIS STORMWATER - SEMIANNUAL (GRABS)

SAMPLE ID: OUTFALL 065

SAMPLE NO: 19-16193

Parameter	Method Number	JRA QL	Result	Unit	Analyst	Date	Time
pH (Field)	*4500H+B		6.9@22oC	s.u.	DKH	9/6/2019	1029
TSS	*2540D	1.0	3.8	mg/L	JGO	9/11/2019	1220
Flow			0.0114	mgd	DKH	9/6/2019	1026

NOTES:

JRA Quantification Level is the concentration of the lowest calibration standard above zero with a reliable signal.

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Results conform to NELAC standards, where applicable, unless otherwise indicated.

*SM 2011

VELAP Standards are not applicable to field pH.

cc: dbadio@bhate.com, Jonathon.m.colmer.civ@mail.mil,

loriquill@haztrain.com, timczysz@haztrain.com

RESPECTFULLY SUBMITTED

Elaine Claiborne

Elaine Claiborne
Laboratory Director

Date: 13-Sep-19

James R. Reed & Associates

770 Pilot House Drive, Newport News, VA 23606

(757) 873-4703 • Fax: (757) 873-1498

VELAP# 460013

EPA# VA00015



September 9, 2019

SUBMITTED TO:

Bhate Environmental Assoc.
ATTN: Diane Lazarus
1608 13th Ave. South, Suite 300
Birmingham, AL 35205

SUBMITTED BY:

James R. Reed and Associates
770 Pilot House Drive
Newport News, VA 23606
(757) 873-4703

Fort Eustis

Permit No.: VA0025216

Date: 9/06/19

Time: 1010

Outfall Location: 064

Visual Observation Performed by: David Harris (Reed & Assoc.)

Nature of Discharge: Stormwater

Visual Observations:

Parameter	Observations
Color	Clear
Odor	None
Clarity	Clear
Floating Solids	None
Settled Solids	None
Suspended Solids	None
Foam	None
Oil Sheen	None
Other indicators	None



Elaine Claiborne
Laboratory Director

Invoice: Bhate

September 9, 2019

SUBMITTED TO:

Bhate Environmental Assoc.
ATTN: Diane Lazarus
1608 13th Ave. South, Suite 300
Birmingham, AL 35205

SUBMITTED BY:

James R. Reed and Associates
770 Pilot House Drive
Newport News, VA 23606
(757) 873-4703

Fort Eustis

Permit No.: VA0025216

Date: 9/06/19

Time: 1025


Outfall Location: 065

Visual Observation Performed by: David Harris (Reed & Assoc.)

Nature of Discharge: Stormwater

Visual Observations:

Parameter	Observations
Color	Clear
Odor	None
Clarity	Clear
Floating Solids	None
Settled Solids	None
Suspended Solids	None
Foam	None
Oil Sheen	None
Other indicators	None


Elaine Claiborne
Laboratory Director

Invoice: Bhate



CHAIN OF CUSTODY

Ft. Eustis Stormwater - Annual

Arrival Temp: 0.8 °C

REPORT OF ANALYSIS

CLIENT: Bhate Environmental Assoc.
ATTN: Diane Lazarus
ADDRESS: 1608 13th Ave. South, Ste 300
Birmingham, AL 35205
PHONE: 205-482-3750
EMAIL: dlazarus@bhate.com

REPORT NO: 19-161949:51

GRAB COLLECTION:

Date: 9/6/2019 Time: 0950

COMPOSITE COLLECTION:

Start Date: Time:

End Date: Time:

SAMPLE RECEIPT:

Date: 9/6/2019 Time: 1355



Special Notes:

AFCBPA2.0002-3918

RE: FORT EUSTIS STORMWATER - ANNUAL (GRABS)

SAMPLE ID: OUTFALL 144

SAMPLE NO: 19-16194

Parameter	Method Number	JRA QL	Result	Unit	Analyst	Date	Time
pH (Field)	*4500H+B		6.8@23oC	s.u.	DKH	9/6/2019	0957
TSS	*2540D	1.0	1.2	mg/L	JGO	9/11/2019	1220
Total Nitrogen	351.2/353.2	0.5	< 0.5	mg/L	CMM	9/11/2019	1430
Total Kjeldahl Nitrogen	351.2	0.50	< 0.50	mg/L	CMM	9/11/2019	1155
Nitrate/Nitrite	353.2	0.06	< 0.06	mg/L	CTW	9/10/2019	0959
Total Phosphorus	365.1	0.10	< 0.10	mg/L	BRB	9/10/2019	0949
Flow			0.0114	mgd	DKH	9/6/2019	0952

NOTES:

JRA Quantification Level is the concentration of the lowest calibration standard above zero with a reliable signal.

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Results conform to NELAC standards, where applicable, unless otherwise indicated.

*SM 2011

VELAP Standards are not applicable to field pH and Total Nitrogen.

cc: dbadio@bhate.com, Jonathon.m.colmer.civ@mail.mil,

loriquill@haztrain.com, timczysz@haztrain.com

RESPECTFULLY SUBMITTED

Elaine Claiborne

Elaine Claiborne
Laboratory Director

Date: 13-Sep-19

James R. Reed & Associates

770 Pilot House Drive, Newport News, VA 23606

(757) 873-4703 • Fax: (757) 873-1498

VELAP# 460013

EPA# VA00015





ANALYSES REQUESTED

Ft. Eustis Stormwater - Semiannual

*SW= Stormwater, WW= Wastewater, GW = Groundwater, DW - Drinking Water, HW - Hazardous Waste, OTHERS

Arrival Temp: 0.8 °C

JAMES R. REED and ASSOCIATES (757) 873-4703; FAX (757) 873-1498

770 Pilot House Drive, Newport News, VA 23606

REPORT OF ANALYSIS

CLIENT: Bhate Environmental Assoc.
ATTN: Diane Lazarus
ADDRESS: 1608 13th Ave. South, Ste 300
Birmingham, AL 35205
PHONE: 205-482-3750
EMAIL: dlazarus@bhate.com

REPORT NO: 19-161959:46
GRAB COLLECTION:
Date: 9/6/2019 Time: 0920
COMPOSITE COLLECTION:
Start Date: Time:
End Date: Time:



Special Notes:

AFCBPA2.0002-3918

RE: FORT EUSTIS STORMWATER - SEMIANNUAL (GRABS)

SAMPLE RECEIPT:

Date: 9/6/2019 Time: 1355

SAMPLE ID: OUTFALL 024

SAMPLE NO: 19-16195

Parameter	Method Number	JRA QL	Result	Unit	Analyst	Date	Time
pH (Field)	*4500H+B		7.0@23oC	s.u.	DKH	9/6/2019	0925
TSS	*2540D	1.0	<1.0	mg/L	JGO	9/11/2019	1220
Flow			0.0057	mgd	DKH	9/6/2019	0921

NOTES:

JRA Quantification Level is the concentration of the lowest calibration standard above zero with a reliable signal.

Reproduction of this report is not permitted, except in full, without written approval from James R Reed & Associates.

The results on this report relate only to the sample(s) provided for analysis.

Results conform to NELAC standards, where applicable, unless otherwise indicated.

*SM 2011

VELAP Standards are not applicable to field pH.

cc: dbadio@bhate.com, Jonathon.m.colmer.civ@mail.mil,

loriquill@haztrain.com, timczysz@haztrain.com

RESPECTFULLY SUBMITTED

Elaine Claiborne

Elaine Claiborne
Laboratory Director

Date: 13-Sep-19

James R. Reed & Associates

770 Pilot House Drive, Newport News, VA 23606

(757) 873-4703 • Fax: (757) 873-1498

VELAP# 460013

EPA# VA00015



REPORT OF ANALYSIS

CLIENT: Bhate Environmental Assoc.
ATTN: Diane Lazarus
ADDRESS: 1608 13th Ave. South, Ste 300
Birmingham, AL 35205
PHONE: 205-482-3750
EMAIL: dlazarus@bhate.com

REPORT NO: 19-1619610:04
GRAB COLLECTION:
Date: 9/6/2019 Time: 0935
COMPOSITE COLLECTION:
Start Date: Time:
End Date: Time:

**Special Notes:**

AFCBPA2.0002-3918

RE: FORT EUSTIS STORMWATER - SEMIANNUAL (GRABS)

SAMPLE RECEIPT:
Date: 9/6/2019 Time: 1355

SAMPLE ID: OUTFALL 025
SAMPLE NO: 19-16196

Parameter	Method Number	JRA QL	Result	Unit	Analyst	Date	Time
pH (Field)	*4500H+B		6.6@22oC	s.u.	DKH	9/6/2019	0939
TSS	*2540D	1.0	1.1	mg/L	JGO	9/11/2019	1220
Flow			0.121	mgd	DKH	9/6/2019	0936

NOTES:

JRA Quantification Level is the concentration of the lowest calibration standard above zero with a reliable signal.

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Results conform to NELAP standards, where applicable, unless otherwise indicated.

*SM 2011

VELAP Standards are not applicable to field pH.

cc: dbadio@bhate.com, Jonathon.m.colmer.civ@mail.mil,

loriquill@haztrain.com, timczysz@haztrain.com

RESPECTFULLY SUBMITTED

Elaine Claiborne
Laboratory Director

Date: 13-Sep-19

James R. Reed & Associates
770 Pilot House Drive, Newport News, VA 23606
(757) 873-4703 • Fax: (757) 873-1498

VELAP# 460013
EPA# VA00015



September 9, 2019

SUBMITTED TO:

Bhate Environmental Assoc.
ATTN: Diane Lazarus
1608 13th Ave. South, Suite 300
Birmingham, AL 35205

SUBMITTED BY:

James R. Reed and Associates
770 Pilot House Drive
Newport News, VA 23606
(757) 873-4703

Fort Eustis

Permit No.: VA0025216

Date: 9/06/19

Time: 0920


Outfall Location: 024

Visual Observation Performed by: David Harris (Reed & Assoc.)

Nature of Discharge: Stormwater

Visual Observations:

Parameter	Observations
Color	Clear
Odor	None
Clarity	Clear
Floating Solids	None
Settled Solids	None
Suspended Solids	None
Foam	None
Oil Sheen	None
Other indicators	None


Elaine Claiborne
Laboratory Director

Invoice: Bhate

September 9, 2019

SUBMITTED TO:

Bhate Environmental Assoc.
ATTN: Diane Lazarus
1608 13th Ave. South, Suite 300
Birmingham, AL 35205

SUBMITTED BY:

James R. Reed and Associates
770 Pilot House Drive
Newport News, VA 23606
(757) 873-4703

Fort Eustis

Permit No.: VA0025216

Date: 9/06/19

Time: 0935


Outfall Location: 025

Visual Observation Performed by: David Harris (Reed & Assoc.)

Nature of Discharge: Stormwater

Visual Observations:

Parameter	Observations
Color	Clear
Odor	None
Clarity	Clear
Floating Solids	None
Settled Solids	None
Suspended Solids	None
Foam	None
Oil Sheen	None
Other indicators	None


Elaine Claiborne
Laboratory Director

Invoice: Bhate



Company Name: Bhate Environmental Associates, Inc.
 Company Contact: Diane Lazarus Telephone: 205-313-4849
 Results To: Diane Lazarus email: dlazarus@bhate.com
 Address: 1608 13th Avenue South, Suite 300
 Birmingham, AL 35205 cc: dbadi...

Project ID: AFCGSA1.0001/JBLE F2F

Ft. Eustis Stormwater - Semiannual

[illegible]

*SW=Stormwater, WW=Wastewater, GW= Groundwater, DW = Drinking Water, HW - Hazardous Waste, OTHERS

Sampled By:

Relinquished By:

Received By:

Relinquished By:

Received By:

for Compliance

Not for Compliance

Abstract

cc: Bhate

Invoice: Bhat

Arrival Temp:

40

Preservatives:

$$1 = < 6^\circ\text{C} \quad 6 = \text{Na}_2\text{S}_2\text{O}_3 + \text{HCl}$$
$$2 = \text{HNO}_3 \quad 7 = \text{NaOH} + \text{ZnOAc}$$
$$3 = \text{H}_2\text{SO}_4 \quad 8 = \text{H}_2\text{SO}_4 + \text{FAS}$$

4 = NaOH 9 = NH₄Cl

 $5 = \text{Na}_2\text{S}_2\text{O}_3$

1

Analyst DKH

Analyst: D.K.K.

Analysis PA 0.5

Analyst DKH

C

Arrival Temp: 50.

AX (757) 873-1498

—

REPORT OF ANALYSIS

CLIENT: Bhate Environmental Assoc.
ATTN: Diane Lazarus
ADDRESS: 1608 13th Ave. South, Ste 300
Birmingham, AL 35205
PHONE: 205-482-3750
EMAIL: dlazarus@bhate.com

REPORT NO: 19-161979:46
GRAB COLLECTION:
Date: 9/6/2019 Time: 0840
COMPOSITE COLLECTION:
Start Date: Time:
End Date: Time:



Special Notes:

AFCBPA2.0002-3918

RE: FORT EUSTIS STORMWATER - SEMIANNUAL (GRABS)

SAMPLE RECEIPT:
Date: 9/6/2019 Time: 1355

SAMPLE ID: OUTFALL 006
SAMPLE NO: 19-16197

Parameter	Method Number	JRA QL	Result	Unit	Analyst	Date	Time
pH (Field)	*4500H+B		6.8@24oC	s.u.	DKH	9/6/2019	0843
TSS	*2540D	1.0	1.0	mg/L	JGO	9/11/2019	1220
Flow			0.0076	mgd	DKH	9/6/2019	0841

NOTES:

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*SM 2011

VELAP Standards are not applicable to field pH.

cc: dbadio@bhate.com, Jonathon.m.colmer.civ@mail.mil,

loriquill@haztrain.com, timczysz@haztrain.com

RESPECTFULLY SUBMITTED

Elaine Claiborne

Elaine Claiborne
Laboratory Director

Date: 13-Sep-19

James R. Reed & Associates

770 Pilot House Drive, Newport News, VA 23606

(757) 873-4703 • Fax: (757) 873-1498

VELAP# 460013

EPA# VA00015



REPORT OF ANALYSIS

CLIENT: Bhate Environmental Assoc.
ATTN: Diane Lazarus
ADDRESS: 1608 13th Ave. South, Ste 300
Birmingham, AL 35205
PHONE: 205-482-3750
EMAIL: dlazarus@bhate.com

REPORT NO: 19-161989:46

GRAB COLLECTION:

Date: 9/6/2019 Time: 0850

COMPOSITE COLLECTION:

Start Date: Time:

End Date: Time:

SAMPLE RECEIPT:

Date: 9/6/2019 Time: 1355



Special Notes:

AFCBPA2.0002-3918

RE: FORT EUSTIS STORMWATER - SEMIANNUAL (GRABS)

SAMPLE ID: OUTFALL 080

SAMPLE NO: 19-16198

Parameter	Method Number	JRA QL	Result	Unit	Analyst	Date	Time
pH (Field)	*4500H+B		6.8@22oC	s.u.	DKH	9/6/2019	0855
TSS	*2540D	1.0	1.0	mg/L	JGO	9/11/2019	1220
Flow			0.0046	mgd	DKH	9/6/2019	0852

NOTES:

JRA Quantification Level is the concentration of the lowest calibration standard above zero with a reliable signal.

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Results conform to NELAC standards, where applicable, unless otherwise indicated.

*SM 2011

VELAP Standards are not applicable to field pH.

cc: dbadio@bhate.com, Jonathon.m.colmer.civ@mail.mil,

loriquill@haztrain.com, timczysz@haztrain.com

RESPECTFULLY SUBMITTED

Elaine Claiborne
Laboratory Director

Date: 13-Sep-19

James R. Reed & Associates

770 Pilot House Drive, Newport News, VA 23606

(757) 873-4703 • Fax: (757) 873-1498

VELAP# 460013

EPA# VA00015



REPORT OF ANALYSIS

CLIENT: Bhate Environmental Assoc.
ATTN: Diane Lazarus
ADDRESS: 1608 13th Ave. South, Ste 300
Birmingham, AL 35205
PHONE: 205-482-3750
EMAIL: dlazarus@bhate.com

REPORT NO: 19-161999:46
GRAB COLLECTION:
Date: 9/6/2019 Time: 0900
COMPOSITE COLLECTION:
Start Date: Time:
End Date: Time:



Special Notes:

AFCBPA2.0002-3918

SAMPLE RECEIPT:

Date: 9/6/2019 Time: 1355

RE: FORT EUSTIS STORMWATER - SEMIANNUAL (GRABS)

SAMPLE ID: OUTFALL 139
SAMPLE NO: 19-16199

Parameter	Method Number	JRA QL	Result	Unit	Analyst	Date	Time
pH (Field)	*4500H+B		6.6@24oC	s.u.	DKH	9/6/2019	0904
TSS	*2540D	1.0	1.3	mg/L	JGO	9/10/2019	1250
Flow			0.0076	mgd	DKH	9/6/2019	0901

NOTES:

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*SM 2011

VELAP Standards are not applicable to field pH.

cc: dbadio@bhate.com, Jonathon.m.colmer.civ@mail.mil,

loriquill@haztrain.com, timczysz@haztrain.com

RESPECTFULLY SUBMITTED

Elaine Claiborne
Laboratory Director

Date: 13-Sep-19

James R. Reed & Associates

770 Pilot House Drive, Newport News, VA 23606

(757) 873-4703 • Fax: (757) 873-1498

VELAP# 460013

EPA# VA00015





September 9, 2019

SUBMITTED TO:

Bhate Environmental Assoc.
ATTN: Diane Lazarus
1608 13th Ave. South, Suite 300
Birmingham, AL 35205

SUBMITTED BY:

James R. Reed and Associates
770 Pilot House Drive
Newport News, VA 23606
(757) 873-4703

Fort Eustis

Permit No.: VA0025216

Date: 9/06/19

Time: 0840

Outfall Location: 006

Visual Observation Performed by: David Harris (Reed & Assoc.)

Nature of Discharge: Stormwater

Visual Observations:

Parameter	Observations
Color	Clear
Odor	None
Clarity	Clear
Floating Solids	None
Settled Solids	None
Suspended Solids	None
Foam	None
Oil Sheen	None
Other indicators	None

Elaine Claiborne

Elaine Claiborne
Laboratory Director

Invoice: Bhate

September 9, 2019

SUBMITTED TO:

Bhate Environmental Assoc.
ATTN: Diane Lazarus
1608 13th Ave. South, Suite 300
Birmingham, AL 35205

SUBMITTED BY:

James R. Reed and Associates
770 Pilot House Drive
Newport News, VA 23606
(757) 873-4703

Fort Eustis

Permit No.: VA0025216

Date: 9/06/19

Time: 0850

Outfall Location: 080

Visual Observation Performed by: David Harris (Reed & Assoc.)

Nature of Discharge: Stormwater

Visual Observations:

Parameter	Observations
Color	Clear
Odor	None
Clarity	Clear
Floating Solids	None
Settled Solids	None
Suspended Solids	None
Foam	None
Oil Sheen	None
Other indicators	None

Elaine Claiborne
Elaine Claiborne
Laboratory Director

Invoice: Bhate

September 9, 2019

SUBMITTED TO:

Bhate Environmental Assoc.
ATTN: Diane Lazarus
1608 13th Ave. South, Suite 300
Birmingham, AL 35205

SUBMITTED BY:

James R. Reed and Associates
770 Pilot House Drive
Newport News, VA 23606
(757) 873-4703

Fort Eustis

Permit No.: VA0025216

Date: 9/06/19

Time: 0900

Outfall Location: 139

Visual Observation Performed by: David Harris (Reed & Assoc.)

Nature of Discharge: Stormwater

Visual Observations:

Parameter	Observations
Color	Clear
Odor	None
Clarity	Clear
Floating Solids	None
Settled Solids	None
Suspended Solids	None
Foam	None
Oil Sheen	None
Other indicators	None

Elaine Claiborne

Elaine Claiborne
Laboratory Director

Invoice: Bhate



October 31, 2019

SUBMITTED TO:

Bhate Environmental Assoc.
ATTN: Diane Lazarus
1608 13th Ave. South, Suite 300
Birmingham, AL 35205

SUBMITTED BY:

James R. Reed and Associates
770 Pilot House Drive
Newport News, VA 23606
(757) 873-4703

Fort Eustis

Permit No.: VA0025216

Date: 10/20/19

Time: 0843

Outfall Location: 006

Visual Observation Performed by: B. Starks (Reed & Assoc.)

Nature of Discharge: Stormwater

Visual Observations:

Parameter	Observations
Color	Clear
Odor	None
Clarity	Clear
Floating Solids	None
Settled Solids	None
Suspended Solids	None
Foam	None
Oil Sheen	None
Other indicators	None

Comment: Inside screen old, not working. Construction material close by.

Elaine Claiborne
Laboratory Director

Invoice: Bhate

October 31, 2019

SUBMITTED TO:

Bhate Environmental Assoc.
ATTN: Diane Lazarus
1608 13th Ave. South, Suite 300
Birmingham, AL 35205

SUBMITTED BY:

James R. Reed and Associates
770 Pilot House Drive
Newport News, VA 23606
(757) 873-4703

Fort Eustis

Permit No.: VA0025216

Date: 10/20/19

Time: 0854

Outfall Location: 024

Visual Observation Performed by: B. Starks (Reed & Assoc.)

Nature of Discharge: Stormwater

Visual Observations:

Parameter	Observations
Color	Clear
Odor	None
Clarity	Clear
Floating Solids	None
Settled Solids	None
Suspended Solids	None
Foam	None
Oil Sheen	None
Other indicators	None



Elaine Claiborne
Laboratory Director

Invoice: Bhate

October 31, 2019

SUBMITTED TO:

Bhate Environmental Assoc.
ATTN: Diane Lazarus
1608 13th Ave. South, Suite 300
Birmingham, AL 35205

SUBMITTED BY:

James R. Reed and Associates
770 Pilot House Drive
Newport News, VA 23606
(757) 873-4703

Fort Eustis

Permit No.: VA0025216

Date: 10/20/19

Time: 0850

Outfall Location: 25

Visual Observation Performed by: B. Starks (Reed & Assoc.)

Nature of Discharge: Stormwater

Visual Observations:

Parameter	Observations
Color	Clear
Odor	None
Clarity	Clear
Floating Solids	None
Settled Solids	None
Suspended Solids	None
Foam	None
Oil Sheen	None
Other indicators	None



Elaine Claiborne
Laboratory Director

Invoice: Bhate

October 31, 2019

SUBMITTED TO:

Bhate Environmental Assoc.
ATTN: Diane Lazarus
1608 13th Ave. South, Suite 300
Birmingham, AL 35205

SUBMITTED BY:

James R. Reed and Associates
770 Pilot House Drive
Newport News, VA 23606
(757) 873-4703

Fort Eustis

Permit No.: VA0025216

Date: 10/20/19

Time: 0925

Outfall Location: 064

Visual Observation Performed by: B. Starks (Reed & Assoc.)

Nature of Discharge: Stormwater

Visual Observations:

Parameter	Observations
Color	Clear
Odor	None
Clarity	Clear
Floating Solids	None
Settled Solids	None
Suspended Solids	None
Foam	None
Oil Sheen	None
Other indicators	None



Elaine Claiborne
Laboratory Director

Invoice: Bhate

October 31, 2019

SUBMITTED TO:

Bhate Environmental Assoc.
ATTN: Diane Lazarus
1608 13th Ave. South, Suite 300
Birmingham, AL 35205

SUBMITTED BY:

James R. Reed and Associates
770 Pilot House Drive
Newport News, VA 23606
(757) 873-4703

Fort Eustis

Permit No.: VA0025216

Date: 10/20/19

Time: 0930

Outfall Location: 065

Visual Observation Performed by: B. Starks (Reed & Assoc.)

Nature of Discharge: Stormwater

Visual Observations:

Parameter	Observations
Color	Clear
Odor	None
Clarity	Clear
Floating Solids	None
Settled Solids	None
Suspended Solids	None
Foam	None
Oil Sheen	None
Other indicators	None

Elaine Claiborne

Elaine Claiborne
Laboratory Director

Invoice: Bhate

October 31, 2019

SUBMITTED TO:

Bhate Environmental Assoc.
ATTN: Diane Lazarus
1608 13th Ave. South, Suite 300
Birmingham, AL 35205

SUBMITTED BY:

James R. Reed and Associates
770 Pilot House Drive
Newport News, VA 23606
(757) 873-4703

Fort Eustis

Permit No.: VA0025216

Date: 10/20/19

Time: 0839

Outfall Location: 080

Visual Observation Performed by: B. Starks (Reed & Assoc.)

Nature of Discharge: Stormwater

Visual Observations:

Parameter	Observations
Color	Clear
Odor	None
Clarity	Clear
Floating Solids	None
Settled Solids	None
Suspended Solids	None
Foam	None
Oil Sheen	None
Other indicators	None



Elaine Claiborne
Laboratory Director

Invoice: Bhate

October 31, 2019

SUBMITTED TO:

Bhate Environmental Assoc.
ATTN: Diane Lazarus
1608 13th Ave. South, Suite 300
Birmingham, AL 35205

SUBMITTED BY:

James R. Reed and Associates
770 Pilot House Drive
Newport News, VA 23606
(757) 873-4703

Fort Eustis

Permit No.: VA0025216

Date: 10/20/19

Time: 0835

Outfall Location: 139

Visual Observation Performed by: B. Starks (Reed & Assoc.)

Nature of Discharge: Stormwater

Visual Observations:

Parameter	Observations
Color	Clear
Odor	None
Clarity	Clear
Floating Solids	None
Settled Solids	Trace Amounts
Suspended Solids	None
Foam	None
Oil Sheen	None
Other indicators	None

Elaine Claiborne

Elaine Claiborne
Laboratory Director

Invoice: Bhate

Storm Event Record

To be filled out for every storm event of ≥ 0.1 inch of rain fall (except snowmelt monitoring). For snowmelt monitoring, identify the date of the sampling event.

1. Date/Time storm event started: 10-20-19
2. Date/Time storm event achieved 0.1 inch: 10-20-19 @ 0554
3. Date/Time storm event ended: 10-20-19 @ 1600
4. Event total accumulation (inches): 1.66
5. Date/Time last storm event ended: Prior to 10-17-19 @ 0100

Was the 72-hour storm event interval met? (circle one) YES NO

(If no, waiver must be obtained.)

6. If all sampling requirements were met (see notes 1 and 2 below) were storm samples taken? If so, record which outfalls were sampled.

#006, #080, #139, #024, #025, #064, #065

☒ All required samples and visual inspections are complete

7. If not, record reason(s) samples were not taken.

☐ Snow/no melt

☐ Dangerous weather

☐ Access impeded/denied

☐ High tide

☐ Other (explain) _____

Name

Barbara Starks

Date

10/20/19

Notes:

1) Samples cannot be collected within 72 hours of the end of the previous rain event in magnitude of 0.1 inch. Storm events are not considered over until no measurable rain has fallen for a minimum of 12 hours.

2) Samples and visual inspections must be taken during the first 30 minutes of discharge and completed within 3 hours of achieving 0.1 inch of rain.

Oct 20, 2019



Weather observations for the past three days

Newport News, Newport News / Williamsburg
International Airport

weather.gov



Enter Your "City, ST" or zip code

Go

metric

Date	Time (edt)	Wind (mph)	Vis. (mi.)	Weather	Sky Cond.	Temperature (°F)		Relative Humidity	Wind Chill (°F)	Heat Index (°F)	Pressure		Precipitation (in.)		
						Air	Dwpt				altimeter (in)	sea level (mb)	1 hr	3 hr	6 hr
21	06:54	N 7	10.00	Overcast	OVC009	58	53	84%	NA	NA	30.01	1016.0			
21	05:54	N 7	10.00	Overcast	OVC008	58	53	84%	NA	NA	29.99	1015.3			
21	04:54	NW 10	10.00	Overcast	OVC009	58	54	87%	NA	NA	29.97	1014.6			
21	03:54	N 8	10.00	Overcast	OVC008	58	54	87%	NA	NA	29.95	1014.0			
21	02:54	N 7	5.00	Fog/Mist	BKN009 OVC014	58	55	90%	NA	NA	29.94	1013.6			
21	01:54	N 8	10.00	Overcast	OVC010	59	54	83%	NA	NA	29.92	1013.0			0.02
21	00:54	N 13 G 20	8.00	Overcast	OVC011	59	54	83%	NA	NA	29.89	1012.1	0.02		
20	23:54	N 12	8.00	Overcast	OVC012	60	56	86%	NA	NA	29.88	1011.6			
20	22:54	N 16 G 25	10.00	Overcast	OVC013	60	55	84%	NA	NA	29.85	1010.9			
20	21:54	N 15 G 24	10.00	Overcast	OVC009	60	55	84%	NA	NA	29.83	1010.0			
20	20:54	N 16 G 23	8.00	Overcast	BKN004 OVC012	61	56	84%	NA	NA	29.79	1008.7			
20	19:54	N 16 G 23	4.00	Fog/Mist	BKN009 OVC012	61	57	87%	NA	NA	29.75	1007.4			0.12
20	18:54	N 18 G 30	4.00	Fog/Mist	OVC009	63	59	87%	NA	NA	29.72	1006.3			
20	17:54	N 14 G 23	2.00	Fog/Mist	BKN006 OVC010	66	62	87%	NA	NA	29.68	1004.9			
20	16:54	NW 9	5.00	Fog/Mist	OVC006	69	66	90%	NA	NA	29.64	1003.6			0.12
20	15:54	N 3	2.00	Light Rain Fog/Mist	OVC006	71	68	90%	NA	NA	29.62	1003.0	0.04		
20	14:54	NW 5	2.00	Light Rain Fog/Mist	OVC015	71	68	90%	NA	NA	29.61	1002.7	0.08		
20	13:54	SE 13	1.75	Light Rain Fog/Mist	OVC008	71	67	87%	NA	NA	29.62	1002.8	0.03		1.66
20	12:54	SE 14 G 26	2.50	Rain	OVC008	71	66	84%	NA	NA	29.65	1004.0	0.02		
20	11:54	SE 15 G 23	4.00	Light Rain	BKN009 OVC016	71	66	84%	NA	NA	29.69	1005.4	0.20		
20	10:54	E 15 G 24	1.75	Heavy Rain Fog/Mist	OVC005	69	66	90%	NA	NA	29.72	1006.4	0.52	1.41	
20	09:54	E 15	1.25			68	64	87%	NA	NA	29.77	1007.9	0.57		

				Heavy Rain Fog/Mist	BKN006 OVC010													
20	08:54	E 15	1.25	Heavy Rain Fog/Mist	OVC006	66	63		90%	NA	NA	29.81	1009.3	0.32				
20	07:54	E 14	2.50	Heavy Rain Fog/Mist	BKN006 OVC011	65	62	65 60	90%	NA	NA	29.83	1010.0	0.37		0.60		
20	06:54	E 13	4.00	Rain Fog/Mist	OVC005	64	61		90%	NA	NA	29.86	1011.0	0.09				
20	05:54	E 12	4.00	Heavy Rain Fog/Mist	OVC007	63	60		90%	NA	NA	29.88	1011.7	0.13				
20	04:54	E 7	3.00	Light Rain Fog/Mist	FEW017 BKN038 OVC045	63	59		87%	NA	NA	29.91	1012.6	0.01	0.01			
20	03:54	E 7	10.00	Overcast	OVC055	63	57		81%	NA	NA	29.91	1012.8					
20	02:54	E 6	10.00	Overcast	OVC060	61	54		78%	NA	NA	29.95	1014.0					
20	01:54	NE 3	10.00	Overcast	OVC060	59	53	60 54	81%	NA	NA	29.98	1015.0					
20	00:54	N 3	10.00	Mostly Cloudy	BKN060	57	51		81%	NA	NA	30.00	1015.7					
19	23:54	Calm	10.00	A Few Clouds	FEW070	56	51		84%	NA	NA	30.01	1016.3					
19	22:54	Calm	10.00	Fair	CLR	56	50		81%	NA	NA	30.02	1016.5					
19	21:54	Calm	10.00	Fair	CLR	57	49		74%	NA	NA	30.04	1017.0					
19	20:54	SE 6	10.00	Fair	CLR	60	48		65%	NA	NA	30.03	1016.9					
19	19:54	E 3	10.00	Fair	CLR	56	47	69 55	72%	NA	NA	30.04	1017.0					
19	18:54	Calm	10.00	Fair	CLR	57	47		69%	NA	NA	30.04	1017.2					
19	17:54	SE 9	10.00	Fair	CLR	62	46		56%	NA	NA	30.05	1017.4					
19	16:54	SW 3	10.00	Fair	CLR	66	42		42%	NA	NA	30.05	1017.3					
19	15:54	S 8	10.00	Fair	CLR	68	42		39%	NA	NA	30.06	1017.7					
19	14:54	S 9	10.00	Fair	CLR	69	42		38%	NA	NA	30.07	1018.1					
19	13:54	NA	10.00	Fair	CLR	66	41	67 41	40%	NA	NA	30.10	1019.1					
19	12:54	SW 8	10.00	Fair	CLR	66	40		39%	NA	NA	30.12	1019.7					
19	11:54	S 6	10.00	Fair	CLR	65	44		47%	NA	NA	30.13	1020.2					
19	10:54	SE 6	10.00	Fair	CLR	62	46		56%	NA	NA	30.13	1020.2					
19	09:54	E 3	10.00	Fair	CLR	58	49		72%	NA	NA	30.12	1019.9					
19	08:54	Calm	10.00	Fair	CLR	51	45		80%	NA	NA	30.12	1019.9					
19	07:54	Calm	7.00	Fair	CLR	41	39	43 39	93%	NA	NA	30.11	1019.7					
19	06:54	Calm	9.00	Fair	CLR	39	37		93%	NA	NA	30.10	1019.1					
19	05:54	Calm	10.00	Fair	CLR	41	38		89%	NA	NA	30.09	1018.9					
19	04:54	Calm	10.00	Fair	CLR	41	37		86%	NA	NA	30.09	1018.7					
19	03:54	Calm	10.00	Light Rain	CLR	41	37		86%	NA	NA	30.08	1018.4					
19	02:54	Calm	10.00	Fair	CLR	41	37		86%	NA	NA	30.07	1018.1					
19	01:54	Calm	10.00	Light Rain	CLR	41	38	49 41	89%	NA	NA	30.06	1017.8					
19	00:54	Calm	10.00	Fair	CLR	43	39		86%	NA	NA	30.05	1017.6					

18	23:54	NW 3	10.00	Fair	CLR	43	40		89%	NA	NA	30.05	1017.4			
18	22:54	Calm	10.00	Fair	CLR	44	39		83%	NA	NA	30.05	1017.4			
18	21:54	NE 3	10.00	Fair	CLR	45	40		83%	NA	NA	30.04	1017.2			
18	20:54	Calm	10.00	Fair	CLR	45	40		83%	NA	NA	30.04	1017.1			
18	19:54	Calm	10.00	Fair	CLR	49	41	65 49	74%	NA	NA	30.04	1017.0			
18	18:54	Calm	10.00	Fair	CLR	53	41		64%	NA	NA	30.02	1016.4			
18	17:54	NW 5	10.00	Fair	CLR	62	36		38%	NA	NA	30.01	1016.1			
18	16:54	NW 7	10.00	A Few Clouds	FEW060	64	36		35%	NA	NA	29.99	1015.5			
18	15:54	NW 13 G 18	10.00	Fair	CLR	65	36		34%	NA	NA	29.97	1014.9			
18	14:54	NW 9	10.00	Fair	CLR	64	35		34%	NA	NA	29.96	1014.4			
18	13:54	N 13 G 20	10.00	Fair	CLR	63	37	64 47	38%	NA	NA	29.97	1014.8			
18	12:54	W 10 G 20	10.00	NA	NA	62	36		38%	NA	NA	29.98	1015.1			
18	11:54	NW 14	10.00	Fair	CLR	60	36		41%	NA	NA	29.98	1015.3			
18	09:54	NW 13 G 20	10.00	Fair	CLR	56	36		47%	NA	NA	29.99	1015.5			
18	08:54	NW 5	10.00	Fair	CLR	52	37		57%	NA	NA	29.99	1015.5			
18	07:54	NW 5	10.00	Fair	CLR	47	35	49 41	63%	45	NA	29.98	1015.1			
Date	Time (edt)	Wind (mph)	Vis. (mi.)	Weather	Sky Cond.	Air Temperature (°F)	Dwpt Temperature (°F)	Max. Min.	Relative Humidity	Wind Chill (°F)	Heat Index (°F)	altimeter	sea level	Precipitation (in.)		
								6 hour				(in.)	(mb)	1 hr	3 hr	6 hr

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Fort Eustis, VA
60° F Partly Cloudy

Recent Cities

Fort Eustis, VA (weather/us/va/fort-eustis/37.16,-76.59)

37.11 °N, 76.5 °W

Newport News/Williamsburg International Airport, VA ★ 🏠

 **60° NEWPORT NEWS/WILLIAMSBURG INTERNATIONAL AIRPORT STATION**

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Daily

Weekly

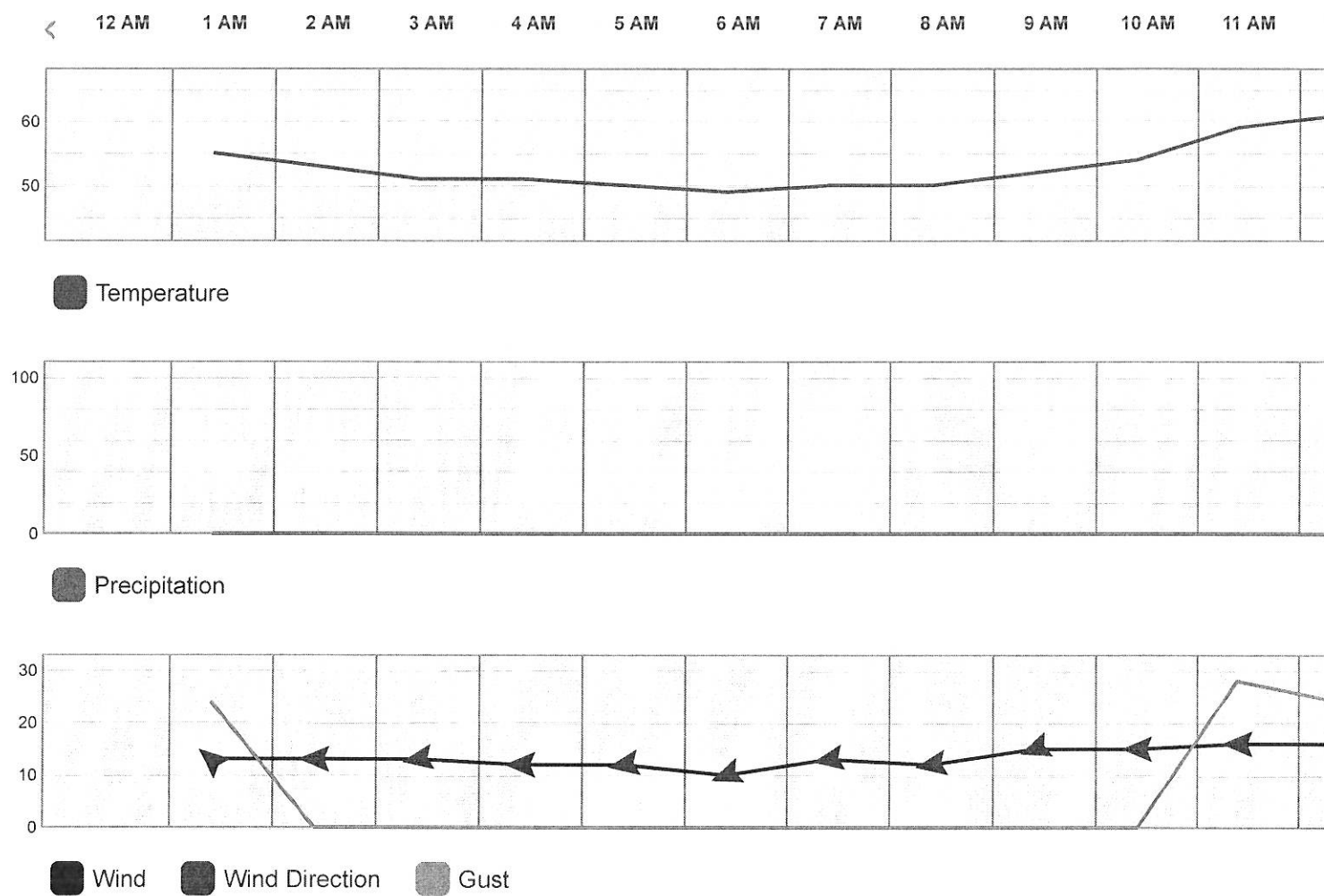
Monthly

October

17

2019

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Summary

Temperature (° F)	Actual	Historic Avg.	Record	▲
High Temp	62	70	89	
Low Temp	46	52	41	
Day Average Temp	55	61	-	
Precipitation (Inches)	Actual	Historic Avg.	Record	▲
Precipitation (past 24 hours from 11:54:00)	1.26	0.11	-	
Dew Point (° F)	Actual	Historic Avg.	Record	▲
Dew Point	37.29	-	-	
High	39	-	-	

Temperature (° F)	Actual	Historic Avg.	Record	▲
Low	35	-	-	
Average	37.29	-	-	
Wind (MPH)	Actual	Historic Avg.	Record	▲
Max Wind Speed	21	-	-	
Visibility	10	-	-	
Sea Level Pressure (Hg)	Actual	Historic Avg.	Record	▲
Sea Level Pressure	29.82	-	-	
Astronomy	Day Length	Rise	Set	▲
Actual Time	11h 12m	7:16 AM	6:28 PM	
Civil Twilight		6:50 AM	6:54 PM	
Nautical Twilight		6:19 AM	7:25 PM	
Astronomical Twilight		5:49 AM	7:55 PM	
Moon: waning gibbous		9:02 PM	10:41 AM	

Daily Observations

Time	Temperature	Dew Point	Humidity	Wind	Wind Speed	Wind Gust	Pressure	Precip.	Condition
12:54 AM	55 ° F	38 ° F	53 %	NW	13 mph	24 mph	29.62 in	0.0 in	Fair
1:54 AM	53 ° F	38 ° F	57 %	W	13 mph	0 mph	29.63 in	0.0 in	Fair
2:54 AM	51 ° F	37 ° F	59 %	W	13 mph	0 mph	29.63 in	0.0 in	Fair
3:54 AM	51 ° F	38 ° F	61 %	W	12 mph	0 mph	29.63 in	0.0 in	Fair
4:54 AM	50 ° F	37 ° F	61 %	W	12 mph	0 mph	29.63 in	0.0 in	Fair
5:54 AM	49 ° F	38 ° F	66 %	WSW	10 mph	0 mph	29.65 in	0.0 in	Fair
6:54 AM	50 ° F	38 ° F	63 %	W	13 mph	0 mph	29.66 in	0.0 in	Fair
7:54 AM	50 ° F	39 ° F	66 %	W	12 mph	0 mph	29.67 in	0.0 in	Fair
8:54 AM	52 ° F	39 ° F	61 %	WSW	15 mph	0 mph	29.69 in	0.0 in	Fair
9:54 AM	54 ° F	38 ° F	55 %	W	15 mph	0 mph	29.70 in	0.0 in	Fair
10:54 AM	59 ° F	38 ° F	46 %	W	16 mph	28 mph	29.71 in	0.0 in	Fair
11:54 AM	61 ° F	37 ° F	41 %	W	16 mph	24 mph	29.71 in	0.0 in	Fair

Time	Temperature	Dew Point	Humidity	Wind	Wind Speed	Wind Gust	Pressure	Precip.	Condition
12:54 PM	60 ° F	36 ° F	41 %	W	21 mph	26 mph	29.71 in	0.0 in	Fair / Windy
1:54 PM	60 ° F	35 ° F	39 %	W	21 mph	30 mph	29.69 in	0.0 in	Fair / Windy
2:54 PM	62 ° F	36 ° F	38 %	W	16 mph	26 mph	29.69 in	0.0 in	Fair
3:54 PM	62 ° F	36 ° F	38 %	WNW	15 mph	26 mph	29.69 in	0.0 in	Fair
4:54 PM	62 ° F	37 ° F	39 %	WNW	16 mph	23 mph	29.69 in	0.0 in	Fair
5:54 PM	61 ° F	36 ° F	39 %	W	14 mph	0 mph	29.70 in	0.0 in	Fair
6:54 PM	59 ° F	35 ° F	41 %	W	13 mph	0 mph	29.72 in	0.0 in	Fair
7:54 PM	57 ° F	36 ° F	45 %	W	7 mph	0 mph	29.74 in	0.0 in	Fair
8:54 PM	57 ° F	36 ° F	45 %	W	6 mph	0 mph	29.76 in	0.0 in	Fair
9:54 PM	52 ° F	39 ° F	61 %	VAR	3 mph	0 mph	29.79 in	0.0 in	Fair
10:54 PM	46 ° F	39 ° F	76 %	NW	3 mph	0 mph	29.82 in	0.0 in	Fair
11:54 PM	47 ° F	39 ° F	74 %	NW	7 mph	0 mph	29.82 in	0.0 in	Fair

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Fort Eustis, VA
60°F Partly Cloudy

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Fort Eustis, VA (weather/us/va/fort-eustis/37.16,-76.59)

37.11 °N, 76.5 °W

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Daily

Weekly

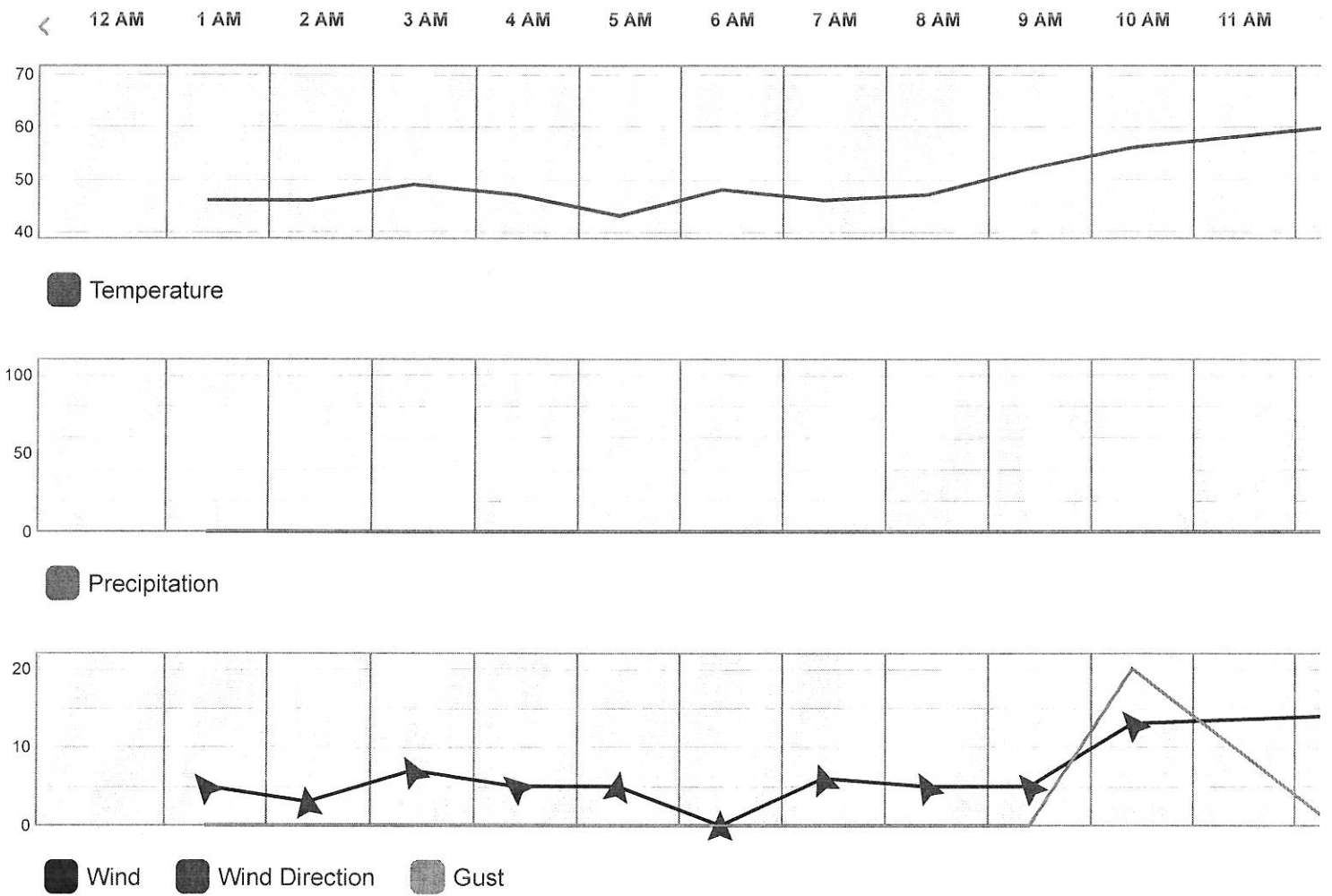
Monthly

October

18

2019

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Summary

Temperature (° F)	Actual	Historic Avg.	Record	▲
High Temp	65	69	82	
Low Temp	43	52	37	
Day Average Temp	52.13	60	-	
Precipitation (Inches)	Actual	Historic Avg.	Record	▲
Precipitation (past 24 hours from 04:54:00)	0.00	0.11	-	
Dew Point (° F)	Actual	Historic Avg.	Record	▲
Dew Point	36.96	-	-	
High	41	-	-	

Temperature (° F)	Actual	Historic Avg.	Record	▲
Low	34	-	-	
Average	36.96	-	-	
Wind (MPH)	Actual	Historic Avg.	Record	▲
Max Wind Speed	14	-	-	
Visibility	10	-	-	
Sea Level Pressure (Hg)	Actual	Historic Avg.	Record	▲
Sea Level Pressure	30.01	-	-	
Astronomy	Day Length	Rise	Set	▲
Actual Time	11h 9m	7:17 AM	6:27 PM	
Civil Twilight		6:51 AM	6:53 PM	
Nautical Twilight		6:20 AM	7:23 PM	
Astronomical Twilight		5:50 AM	7:53 PM	
Moon: waning gibbous		9:46 PM	11:42 AM	

Daily Observations



Time	Temperature	Dew Point	Humidity	Wind	Wind Speed	Wind Gust	Pressure	Precip.	Condition
12:54 AM	46 ° F	38 ° F	73 %	NW	5 mph	0 mph	29.83 in	0.0 in	Fair
1:54 AM	46 ° F	37 ° F	71 %	N	3 mph	0 mph	29.83 in	0.0 in	Fair
2:54 AM	49 ° F	36 ° F	61 %	NNW	7 mph	0 mph	29.84 in	0.0 in	Fair
3:54 AM	47 ° F	35 ° F	63 %	NW	5 mph	0 mph	29.86 in	0.0 in	Fair
4:54 AM	43 ° F	35 ° F	74 %	N	5 mph	0 mph	29.87 in	0.0 in	Fair
5:54 AM	48 ° F	34 ° F	58 %	CALM	0 mph	0 mph	29.90 in	0.0 in	Fair
6:54 AM	46 ° F	34 ° F	63 %	NNW	6 mph	0 mph	29.91 in	0.0 in	Fair
7:54 AM	47 ° F	35 ° F	63 %	NNW	5 mph	0 mph	29.94 in	0.0 in	Fair
8:54 AM	52 ° F	37 ° F	57 %	NW	5 mph	0 mph	29.95 in	0.0 in	Fair
9:54 AM	56 ° F	36 ° F	47 %	NW	13 mph	20 mph	29.95 in	0.0 in	Fair
11:54 AM	60 ° F	36 ° F	41 %	NNW	14 mph	0 mph	29.94 in	0.0 in	Fair
12:54 PM	62 ° F	36 ° F	38 %	W	10 mph	20 mph	29.94 in	0.0 in	N/A

Time	Temperature	Dew Point	Humidity	Wind	Wind Speed	Wind Gust	Pressure	Precip.	Condition
1:54 PM	63 ° F	37 ° F	38 %	NNW	13 mph	20 mph	29.93 in	0.0 in	Fair
2:54 PM	64 ° F	35 ° F	34 %	NW	9 mph	0 mph	29.92 in	0.0 in	Fair
3:54 PM	65 ° F	36 ° F	34 %	WNW	13 mph	18 mph	29.93 in	0.0 in	Fair
4:54 PM	64 ° F	36 ° F	35 %	WNW	7 mph	0 mph	29.95 in	0.0 in	Fair
5:54 PM	62 ° F	36 ° F	38 %	NW	5 mph	0 mph	29.97 in	0.0 in	Fair
6:54 PM	53 ° F	41 ° F	64 %	CALM	0 mph	0 mph	29.98 in	0.0 in	Fair
7:54 PM	49 ° F	41 ° F	74 %	CALM	0 mph	0 mph	30.00 in	0.0 in	Fair
8:54 PM	45 ° F	40 ° F	82 %	CALM	0 mph	0 mph	30.00 in	0.0 in	Fair
9:54 PM	45 ° F	40 ° F	82 %	NE	3 mph	0 mph	30.00 in	0.0 in	Fair
10:54 PM	44 ° F	39 ° F	82 %	CALM	0 mph	0 mph	30.01 in	0.0 in	Fair
11:54 PM	43 ° F	40 ° F	89 %	NW	3 mph	0 mph	30.01 in	0.0 in	Fair

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Fort Eustis, VA
60°F Partly Cloudy

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37.11 °N, 76.5 °W

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Daily

Weekly

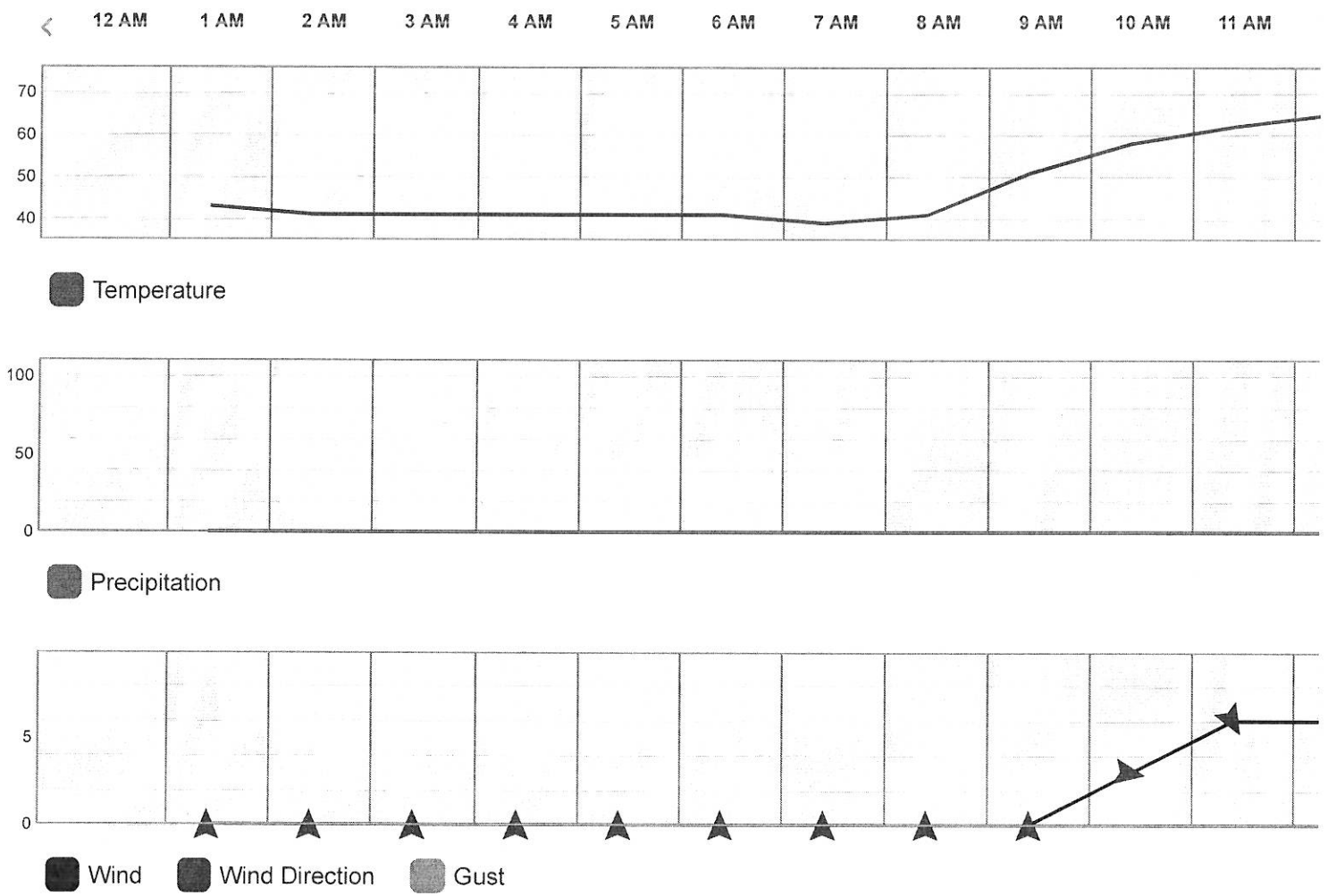
Monthly

October

19

2019

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Summary

Temperature (° F)	Actual	Historic Avg.	Record	▲
High Temp	69	69	82	
Low Temp	39	51	34	
Day Average Temp	54.29	60	-	
Precipitation (Inches)	Actual	Historic Avg.	Record	▲
Precipitation (past 24 hours from 04:54:00)	0.00	0.11	-	
Dew Point (° F)	Actual	Historic Avg.	Record	▲
Dew Point	42.96	-	-	
High	51	-	-	

Temperature (° F)	Actual	Historic Avg.	Record	▲
Low	37	-	-	
Average	42.96	-	-	
Wind (MPH)	Actual	Historic Avg.	Record	▲
Max Wind Speed	9	-	-	
Visibility	10	-	-	
Sea Level Pressure (Hg)	Actual	Historic Avg.	Record	▲
Sea Level Pressure	30.09	-	-	
Astronomy	Day Length	Rise	Set	▲
Actual Time	11h 7m	7:18 AM	6:25 PM	
Civil Twilight		6:52 AM	6:52 PM	
Nautical Twilight		6:21 AM	7:22 PM	
Astronomical Twilight		5:51 AM	7:52 PM	
Moon: waning gibbous		10:37 PM	12:41 PM	

Daily Observations

Time	Temperature	Dew Point	Humidity	Wind	Wind Speed	Wind Gust	Pressure	Precip.	Condition
12:54 AM	43 ° F	39 ° F	86 %	CALM	0 mph	0 mph	30.01 in	0.0 in	Fair
1:54 AM	41 ° F	38 ° F	89 %	CALM	0 mph	0 mph	30.02 in	0.0 in	Light Rain
2:54 AM	41 ° F	37 ° F	86 %	CALM	0 mph	0 mph	30.03 in	0.0 in	Fair
3:54 AM	41 ° F	37 ° F	86 %	CALM	0 mph	0 mph	30.04 in	0.0 in	Light Rain
4:54 AM	41 ° F	37 ° F	86 %	CALM	0 mph	0 mph	30.05 in	0.0 in	Fair
5:54 AM	41 ° F	38 ° F	89 %	CALM	0 mph	0 mph	30.05 in	0.0 in	Fair
6:54 AM	39 ° F	37 ° F	93 %	CALM	0 mph	0 mph	30.06 in	0.0 in	Fair
7:54 AM	41 ° F	39 ° F	93 %	CALM	0 mph	0 mph	30.07 in	0.0 in	Fair
8:54 AM	51 ° F	45 ° F	80 %	CALM	0 mph	0 mph	30.08 in	0.0 in	Fair
9:54 AM	58 ° F	49 ° F	72 %	E	3 mph	0 mph	30.08 in	0.0 in	Fair
10:54 AM	62 ° F	46 ° F	56 %	SSE	6 mph	0 mph	30.09 in	0.0 in	Fair
11:54 AM	65 ° F	44 ° F	47 %	S	6 mph	0 mph	30.09 in	0.0 in	Fair

Time	Temperature	Dew Point	Humidity	Wind	Wind Speed	Wind Gust	Pressure	Precip.	Condition
12:54 PM	66 ° F	40 ° F	38 %	SW	8 mph	0 mph	30.08 in	0.0 in	Fair
1:54 PM	66 ° F	41 ° F	40 %		0 mph	0 mph	30.06 in	0.0 in	Fair
2:54 PM	69 ° F	42 ° F	38 %	SSE	9 mph	0 mph	30.03 in	0.0 in	Fair
3:54 PM	68 ° F	42 ° F	39 %	S	8 mph	0 mph	30.02 in	0.0 in	Fair
4:54 PM	66 ° F	42 ° F	42 %	SSW	3 mph	0 mph	30.01 in	0.0 in	Fair
5:54 PM	62 ° F	46 ° F	56 %	SE	9 mph	0 mph	30.01 in	0.0 in	Fair
6:54 PM	57 ° F	47 ° F	69 %	CALM	0 mph	0 mph	30.00 in	0.0 in	Fair
7:54 PM	56 ° F	47 ° F	72 %	ENE	3 mph	0 mph	30.00 in	0.0 in	Fair
8:54 PM	60 ° F	48 ° F	64 %	SE	6 mph	0 mph	29.99 in	0.0 in	Fair
9:54 PM	57 ° F	49 ° F	74 %	CALM	0 mph	0 mph	30.00 in	0.0 in	Fair
10:54 PM	56 ° F	50 ° F	80 %	CALM	0 mph	0 mph	29.98 in	0.0 in	Fair
11:54 PM	56 ° F	51 ° F	84 %	CALM	0 mph	0 mph	29.97 in	0.0 in	Fair

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APPENDIX F
ROUTINE FACILITY STORMWATER INSPECTION CHECKLISTS

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**Joint Base Langley Eustis – Eustis
2019 Routine Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Facility: 3rd Port

Building(s) 400, 405, 409, 410, 411,

426, 433, 438, 445, 453, 454, 455, 460,

Date of Inspection: 13 Jun 19

Weather: overcast / light rain

2015 SWPPP Status: Regulated Facility	2016 SWPPP Status: Regulated Facility
Outfall(s): 006, 007, 009, 079, 080, 083, 137, 138, 139	
Sector: Water Transportation (Sector Q)	
Tenant / Command:	
Building POC Jay DeHart / ASUS / Ray Perea	
Facility / Building Description: 3 rd Port	
Industrial Activity:	

Outdoor Material Storage

- | | | | |
|---|--|---|---|
| <input checked="" type="checkbox"/> Vehicle Storage | <input checked="" type="checkbox"/> Vessel Parts | <input checked="" type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input checked="" type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input checked="" type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Drums/Tanks | <input checked="" type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input checked="" type="checkbox"/> Fire Suppressant | <input type="checkbox"/> Munitions Storage |
| <input type="checkbox"/> White Goods | <input type="checkbox"/> Other: | | |

Comments:

HM / HW / POL Storage

- | | | | |
|---|--|---|--|
| <input checked="" type="checkbox"/> Flammables-Cabinets | <input type="checkbox"/> Flammables-Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input checked="" type="checkbox"/> Compressed Gas | <input checked="" type="checkbox"/> Waste | <input checked="" type="checkbox"/> AST – Diesel |
| <input checked="" type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input checked="" type="checkbox"/> Batteries | <input type="checkbox"/> AST – JP-5 |
| <input checked="" type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input checked="" type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input checked="" type="checkbox"/> Paint/Paint Waste | <input checked="" type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Cooking Oil: | <input type="checkbox"/> Other: _____ | |

Comments:

Bldg 410 - sandbags from Apr inspection still there. There was a employee on site today and they were asked to replace and he stated that they would take care of it.

**Joint Base Langley Eustis – Eustis
2019 Routine Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Potential Pollution Sources:

Pollutant Source	Quantity Stored	Stored Location Description	Material that could potentially pollute stormwater

Discharges occurring at the time of inspection?

☐ Yes

☒ No

Describe: _____

Previously unidentified discharges occurring at the time of inspection?

☐ Yes

☒ No

Describe: _____

Assessment of BMPs:

Existing Structural Controls:

Secondary Containment:

Treatment BMP(s):

Sufficient

Insufficient

X	
X	

Existing Non-Structural Controls:

Good Housekeeping / Minimize Exposure

Preventive Maintenance

Spill Response Equipment (appropriately stocked):

Training:

Inspections by: 733d CED/CEIE

☐ Monthly ☒ Quarterly ☐ Annually

Sufficient

Insufficient

X	
X	
X	
X	

Recommended BMPs to be maintained

Site is Compliant with SWPPP:

☒ Yes

☐ No

Inspector(s): Donna Haynes & Paul James

Signature(s): Donna Haynes 13 Jun 19

[Handwritten signature]

13 June 19

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Facility: Motor Pool *7th TBX*
851, 886, 887, 888, 889

Building(s): 806, 816, 836, 845, 846, 847,

Date of Inspection: 13 Jun 19 + 14 Jun 19

Weather: overcast / light rain / Sunny

2015 SWPPP Status: Regulated Facility	2016 SWPPP Status: Regulated Facility
Outfall(s): 024, 025, 101, 105	
Sector: Land Transportation (Sector P)	
Tenant / Command:	
Building POC <i>Ray Perera</i>	
Facility / Building Description: Motor Pool	
Industrial Activity: Maintenance	

Outdoor Material Storage

- | | | | |
|---|--|--|---|
| <input checked="" type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Vessel Parts | <input checked="" type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> Munitions Storage |
| <input type="checkbox"/> White Goods | <input type="checkbox"/> Other: | | |

Comments:

HM / HW / POL Storage

- | | | | |
|---|---|--|--|
| <input type="checkbox"/> Flammables-Cabinets | <input type="checkbox"/> Flammables-Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input checked="" type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – JP-5 |
| <input type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input checked="" type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint/Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Cooking Oil: | <input type="checkbox"/> Other: _____ | |

Comments:

*Bldg 884 - 13 Jun 19 - Dip pans missing + some full of water
email sent to AEC on 13 Jun 19.*

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Potential Pollution Sources:

Pollutant Source	Quantity Stored	Stored Location Description	Material that could potentially pollute stormwater

Discharges occurring at the time of inspection? ☐ Yes ☐ No

Describe: _____

Previously unidentified discharges occurring at the time of inspection? ☐ Yes ☐ No

Describe: _____

Assessment of BMPs:

Existing Structural Controls:

Secondary Containment:

Treatment BMP(s):

Sufficient	Insufficient
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Existing Non-Structural Controls:

Good Housekeeping / Minimize Exposure

Preventive Maintenance

Spill Response Equipment (appropriately stocked):

Training:

Inspections by: 733d CED/CEIE

☐ Monthly ☐ Quarterly ☐ Annually

Sufficient	Insufficient
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Recommended BMPs to be maintained

Site is Compliant with SWPPP: ☒ Yes ☐ No

Inspector(s): Donna Haynes & Paul James

Signature(s): Donna Haynes 14 Jun 19



14 June 19

Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist

(For Industrial Activities Regulated Under VA0025216)

Facility: US Army Reserve Center

Building(s): 1035, 1036

Date of Inspection: 14 June 19

Weather: Sunny

2017 SWPPP Status: Regulated Facility	2018 SWPPP Status: Regulated Facility
Outfall(s): 108	
Sector: Land Transportation (Sector P)	
Tenant / Command:	
Building POC:	
Facility / Building Description:	
Industrial Activity: Maintenance, Washing	

Outdoor Material Storage

- | | | | |
|---|--|--|---|
| <input checked="" type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Vessel Parts | <input type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> Munitions Storage |
| <input type="checkbox"/> White Goods | <input type="checkbox"/> Other: | | |

Comments:

HM / HW / POL Storage

- | | | | |
|---|---|--|---|
| <input checked="" type="checkbox"/> Flammables-Cabinets | <input type="checkbox"/> Flammables-Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – JP-5 |
| <input checked="" type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint/Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Cooking Oil: | <input type="checkbox"/> Other: | |

Comments:

*no drip pans under some vehicles or
house keeping needed turned upside down*

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Potential Pollution Sources:

Pollutant Source	Quantity Stored	Stored Location Description	Material that could potentially pollute stormwater

Discharges occurring at the time of inspection?

☐ Yes

☒ No

Describe: _____

Previously unidentified discharges occurring at the time of inspection?

☐ Yes

☒ No

Describe: _____

Assessment of BMPs:

Existing Structural Controls:

Secondary Containment:

Treatment BMP(s):

Sufficient

Insufficient

<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Existing Non-Structural Controls:

Good Housekeeping / Minimize Exposure

Preventive Maintenance

Spill Response Equipment (appropriately stocked):

Training:

Inspections by: 733d CED/CEIE

☐ Monthly ☒ Quarterly ☐ Annually

Sufficient

Insufficient

<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Recommended BMPs to be maintained

Site is Compliant with SWPPP:

☒ Yes

☐ No

Inspector(s): Donna Haynes & Paul James

Signature(s): Donna Haynes 14 June 19

[Handwritten signatures and date: 14 June 19]

Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist

(For Industrial Activities Regulated Under VA0025216)

Facility: Waste Centers

Building(s): 1205, 1208, 1209, 1210

Date of Inspection: 13 Jun 19

Weather: overcast / light rain

2017 SWPPP Status: Regulated Facility	2018 SWPPP Status: Regulated Facility
Outfall(s): 035, 109, 110	
Sector: Land Transportation (Sector P)	
Tenant / Command:	
Building POC: Tom Gunther / Bill Barnes	
Facility / Building Description: Warehouse	
Industrial Activity: Maintenance: Waste Storage	

Outdoor Material Storage

- | | | | |
|--|--|---|---|
| <input type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Vessel Parts | <input checked="" type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input checked="" type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> Munitions Storage |
| <input type="checkbox"/> White Goods | <input type="checkbox"/> Other: | | |

Comments:

HM / HW / POL Storage

- | | | | |
|--|---|--|--|
| <input type="checkbox"/> Flammables-Cabinets | <input type="checkbox"/> Flammables-Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – JP-5 |
| <input checked="" type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input checked="" type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint/Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Cooking Oil: | <input type="checkbox"/> Other: | |

Comments:

no problems noted

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Potential Pollution Sources:

Pollutant Source	Quantity Stored	Stored Location Description	Material that could potentially pollute stormwater

Discharges occurring at the time of inspection?

☐ Yes

☒ No

Describe: _____

Previously unidentified discharges occurring at the time of inspection?

☐ Yes

☒ No

Describe: _____

Assessment of BMPs:

Existing Structural Controls:

Secondary Containment:

Treatment BMP(s):

Sufficient

Insufficient

<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Existing Non-Structural Controls:

Good Housekeeping / Minimize Exposure

Preventive Maintenance

Spill Response Equipment (appropriately stocked):

Training:

Inspections by: 733d CED/CEIE

☐ Monthly ☒ Quarterly ☐ Annually

Sufficient

Insufficient

<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Recommended BMPs to be maintained

Site is Compliant with SWPPP:

☒ Yes

☐ No

Inspector(s): Donna Haynes & Paul James

Signature(s): Donna Haynes 13 Jun 19

13 June 19

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Facility: Causeway Yard

Building(s): 2015, 2022, 2025

Date of Inspection: 13 Jun 19

Weather: overcast / light rain

2017 SWPPP Status: Regulated Facility	2018 SWPPP Status: Regulated Facility
Outfall(s): 051, 114	
Sector: Water Transportation (Sector Q and R)	
Tenant / Command:	
Building POC: Ray Perera	
Facility / Building Description: Causeway Yard	
Industrial Activity: Modular Pier Storage, Maintenance, Washing	

Outdoor Material Storage

- | | | | |
|---|--|--|--|
| <input checked="" type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Vessel Parts | <input type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input type="checkbox"/> Recycling Container | <input type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Tire Storage | <input type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> Munitions Storage |
| <input type="checkbox"/> White Goods | <input type="checkbox"/> Other: | | |

Comments:

HM / HW / POL Storage

- | | | | |
|---|---|---|--|
| <input checked="" type="checkbox"/> Flammables-Cabinets | <input type="checkbox"/> Flammables-Drums | <input checked="" type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input checked="" type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input checked="" type="checkbox"/> Batteries | <input type="checkbox"/> AST – JP-5 |
| <input checked="" type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint/Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Cooking Oil: | <input type="checkbox"/> Other: | |

Comments:

Bldg 2015 no activities happening. no signs of any problems.

Bldg 2022 storm drains pouring needs replacing back corner of compound and front of compound service order put in to have replaced

Bldg 2025 no signs of any problems soldiers working cleaning and moving equipment

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Potential Pollution Sources:

Pollutant Source	Quantity Stored	Stored Location Description	Material that could potentially pollute stormwater

Discharges occurring at the time of inspection?

☐ Yes

☐ No

Describe: _____

Previously unidentified discharges occurring at the time of inspection?

☐ Yes

☐ No

Describe: _____

Assessment of BMPs:

Existing Structural Controls:

Secondary Containment:

Treatment BMP(s):

Sufficient

Insufficient

<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Existing Non-Structural Controls:

Good Housekeeping / Minimize Exposure

Preventive Maintenance

Spill Response Equipment (appropriately stocked):

Training:

Inspections by: 733d CED/CEIE

☐ Monthly ☒ Quarterly ☐ Annually

Sufficient

Insufficient

<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Recommended BMPs to be maintained

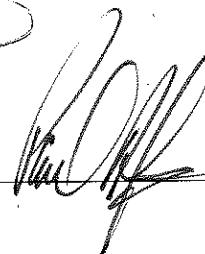
Site is Compliant with SWPPP:

☒ Yes

☐ No

Inspector(s): Donna Haynes & Paul James

Signature(s): Donna Haynes 13 Jun 19



13 June 19

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Facility: Felker Army Airfield
2419, 2448, 2450

Building(s): 2405, 2407, 2409, 2411, 2413,

Date of Inspection: 13 Jun 19

Weather: overcast/light rain

2017 SWPPP Status: Regulated Facility	2018 SWPPP Status: Regulated Facility
Outfall(s): 064, 065, 069, 070, 071, 072, 073, 123	
Sector: Air Transportation (Sector S)	
Tenant / Command:	
Building POC:	
Facility / Building Description:	
Industrial Activity: Maintenance, Washing, Storage, Painting	

Outdoor Material Storage

- | | | | |
|---|--|---|---|
| <input checked="" type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Vessel Parts | <input type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> Munitions Storage |
| <input type="checkbox"/> White Goods | <input type="checkbox"/> Other: | | |

Comments:

HM / HW / POL Storage

- | | | | |
|---|---|--|---|
| <input type="checkbox"/> Flammables-Cabinets | <input type="checkbox"/> Flammables-Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – JP-5 |
| <input type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint/Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Cooking Oil: | <input type="checkbox"/> Other: | |

Comments:

no issues

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Potential Pollution Sources:

Pollutant Source	Quantity Stored	Stored Location Description	Material that could potentially pollute stormwater

Discharges occurring at the time of inspection? ☐ Yes ☒ No

Describe: _____

Previously unidentified discharges occurring at the time of inspection? ☐ Yes ☒ No

Describe: _____

Assessment of BMPs:

Existing Structural Controls:

Secondary Containment:

Treatment BMP(s):

Sufficient	Insufficient
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Existing Non-Structural Controls:

Good Housekeeping / Minimize Exposure

Preventive Maintenance

Spill Response Equipment (appropriately stocked):

Training:

Inspections by: 733d CED/CEIE

☐ Monthly ☒ Quarterly ☐ Annually

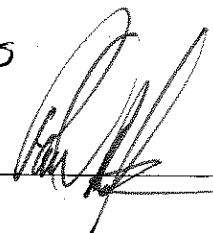
Sufficient	Insufficient
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Recommended BMPs to be maintained

Site is Compliant with SWPPP: ☒ Yes ☐ No

Inspector(s): Donna Haynes & Paul James

Signature(s): Donna Haynes 13 Jun 19



13 June 19

Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist

(For Industrial Activities Regulated Under VA0025216)

Facility: Felker Army Airfield
2418, 2449

Building(s): 2400, 2401, 2402, 2414, 2415,

Date of Inspection: 13 Jun 19

Weather: overcast / light rain

2017 SWPPP Status: Regulated Facility	2018 SWPPP Status: Regulated Facility
Outfall(s): 064, 065, 069, 070, 071, 072, 073, 123	
Sector: Air Transportation (Sector S)	
Tenant / Command:	
Building POC:	
Facility / Building Description:	
Industrial Activity: Maintenance, Washing, Storage, Painting	

Outdoor Material Storage

- | | | | |
|---|--|---|---|
| <input checked="" type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Vessel Parts | <input type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> Munitions Storage |
| <input type="checkbox"/> White Goods | <input type="checkbox"/> Other: | | |

Comments:

HM / HW / POL Storage

- | | | | |
|---|---|--|---|
| <input type="checkbox"/> Flammables-Cabinets | <input type="checkbox"/> Flammables-Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – JP-5 |
| <input type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint/Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Cooking Oil: | <input type="checkbox"/> Other: | |

Comments:

no issues

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Potential Pollution Sources:

Pollutant Source	Quantity Stored	Stored Location Description	Material that could potentially pollute stormwater

Discharges occurring at the time of inspection?

☐ Yes

☒ No

Describe: _____

Previously unidentified discharges occurring at the time of inspection?

☐ Yes

☒ No

Describe: _____

Assessment of BMPs:

Existing Structural Controls:

Secondary Containment:

Treatment BMP(s):

Sufficient

Insufficient

<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Existing Non-Structural Controls:

Good Housekeeping / Minimize Exposure

Preventive Maintenance

Spill Response Equipment (appropriately stocked):

Training:

Inspections by: 733d CED/CEIE

☐ Monthly ☒ Quarterly ☐ Annually

Sufficient

Insufficient

<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Recommended BMPs to be maintained

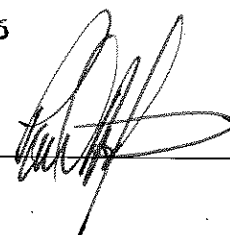
Site is Compliant with SWPPP:

☒ Yes

☐ No

Inspector(s): Donna Haynes & Paul James

Signature(s): Donna Haynes 13 Jun 19



13 June 19

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Facility: HQ 99th RRC

Building(s): 2504, 2505, 2506, 2510

Date of Inspection: 14 Jun 19

Weather: Sunny

2017 SWPPP Status: Regulated Facility	2018 SWPPP Status: Regulated Facility
Outfall(s):	
Sector: Land Transportation (Sector P)	
Tenant / Command:	
Building POC: Angela Williams angela.williams.ctr@mail.mil	
Facility / Building Description: Motor Pool 757-544-7039	
Industrial Activity: Maintenance	

Outdoor Material Storage

- | | | | |
|---|--|---|---|
| <input checked="" type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Vessel Parts | <input checked="" type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input checked="" type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> Munitions Storage |
| <input type="checkbox"/> White Goods | <input type="checkbox"/> Other: | | |

Comments:

HM / HW / POL Storage

- | | | | |
|---|---|--|--|
| <input checked="" type="checkbox"/> Flammables-Cabinets | <input type="checkbox"/> Flammables-Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – JP-5 |
| <input type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input checked="" type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint/Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Cooking Oil: | <input type="checkbox"/> Other: | |

Comments:

HM-Locker - no secure lock on container
Drip Pans - some missing

email sent to POC on 14 Jun 19

POC emailed back on 21 Jun 19 saying that all has been taken care of. 21 Jun 19

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Potential Pollution Sources:

Pollutant Source	Quantity Stored	Stored Location Description	Material that could potentially pollute stormwater

Discharges occurring at the time of inspection? ☐ Yes ☒ No

Describe: _____

Previously unidentified discharges occurring at the time of inspection? ☐ Yes ☒ No

Describe: _____

Assessment of BMPs:

Existing Structural Controls:

Secondary Containment:

Treatment BMP(s):

Sufficient	Insufficient
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Existing Non-Structural Controls:

Good Housekeeping / Minimize Exposure

Preventive Maintenance

Spill Response Equipment (appropriately stocked):

Training:

Inspections by: 733d CED/CEIE

☐ Monthly ☒ Quarterly ☐ Annually

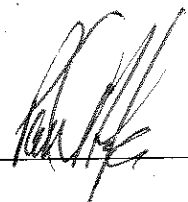
Sufficient	Insufficient
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Recommended BMPs to be maintained

Site is Compliant with SWPPP: ☒ Yes ☐ No

Inspector(s): Donna Haynes & Paul James

Signature(s): Donna Haynes 14 June 19

 14 June 19

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Facility: Motor Pool *832nd Twp*

Building(s) *2704, 2707, 2744, 2750, 2705*

Date of Inspection: *14 Jun 19*

Weather: *Sunny*

2015 SWPPP Status: Regulated Facility	2016 SWPPP Status: Regulated Facility
Outfall(s): 042, 046	
Sector: Land Transportation (Sector P)	
Tenant / Command:	
Building POC	
Facility / Building Description: US Coast Guard	
Industrial Activity: Motor Pool, Washrack	

Outdoor Material Storage

- | | | | |
|---|--|---|---|
| <input checked="" type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Vessel Parts | <input checked="" type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input checked="" type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input checked="" type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Portable Toilet | <input checked="" type="checkbox"/> Transformers | <input checked="" type="checkbox"/> Fire Suppressant | <input type="checkbox"/> Munitions Storage |
| <input type="checkbox"/> White Goods | <input type="checkbox"/> Other: | | |

Comments:

HM / HW / POL Storage

- | | | | |
|---|---|--|--|
| <input checked="" type="checkbox"/> Flammables-Cabinets | <input type="checkbox"/> Flammables-Drums | <input type="checkbox"/> POL | <input checked="" type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input checked="" type="checkbox"/> AST – Diesel |
| <input checked="" type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – JP-5 |
| <input checked="" type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input checked="" type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint/Paint Waste | <input checked="" type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Cooking Oil: | <input type="checkbox"/> Other: | |

Comments:

*B 2702 / Housekeeping
Recycle containers full - it said Recycle POC know
Talked with Recycle POC on 14 Jun 19
all is good*

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Potential Pollution Sources:

Pollutant Source	Quantity Stored	Stored Location Description	Material that could potentially pollute stormwater

Discharges occurring at the time of inspection?

☐ Yes

☒ No

Describe: _____

Previously unidentified discharges occurring at the time of inspection?

☐ Yes

☒ No

Describe: _____

Assessment of BMPs:

Existing Structural Controls:

Secondary Containment:

Treatment BMP(s):

Sufficient

Insufficient

X	
X	

Existing Non-Structural Controls:

Good Housekeeping / Minimize Exposure

Preventive Maintenance

Spill Response Equipment (appropriately stocked):

Training:

Inspections by: 733d CED/EE

☐ Monthly ☒ Quarterly ☐ Annually

Sufficient

Insufficient

X	
X	
X	
X	

Recommended BMPs to be maintained


Site is Compliant with SWPPP:

☒ Yes

☐ No

Inspector(s): Donna Haynes & Paul James

Signature(s): Donna Haynes 14 June 19

 14 June 19

Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist

(For Industrial Activities Regulated Under VA0025216)

Facility: See Below

Building(s) 2743, 2702, 2703, 2701, 27601,
27501, 2734

Date of Inspection: 14 Jun 19

Weather: Sunny

2015 SWPPP Status: Regulated Facility	2016 SWPPP Status: Regulated Facility
Outfall(s): 042, 046	
Sector: Land Transportation (Sector P)	
Tenant / Command:	
Building POC	
Facility / Building Description: Heat Plant, Motor Pool, Maintenance Training, Wash Rack	
Industrial Activity: Storage, Washing, Maintenance	

Outdoor Material Storage

- | | | | |
|---|--|---|---|
| <input checked="" type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Vessel Parts | <input checked="" type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input checked="" type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input checked="" type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Portable Toilet | <input checked="" type="checkbox"/> Transformers | <input checked="" type="checkbox"/> Fire Suppressant | <input type="checkbox"/> Munitions Storage |
| <input type="checkbox"/> White Goods | <input type="checkbox"/> Other: | | |

Comments:

HM / HW / POL Storage

- | | | | |
|---|---|--|--|
| <input checked="" type="checkbox"/> Flammables-Cabinets | <input type="checkbox"/> Flammables-Drums | <input type="checkbox"/> POL | <input checked="" type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input checked="" type="checkbox"/> AST – Diesel |
| <input checked="" type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – JP-5 |
| <input checked="" type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input checked="" type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint/Paint Waste | <input checked="" type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Cooking Oil: | <input type="checkbox"/> Other: _____ | |

Comments:

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Potential Pollution Sources:

Pollutant Source	Quantity Stored	Stored Location Description	Material that could potentially pollute stormwater

Discharges occurring at the time of inspection?

☐ Yes

☒ No

Describe: _____

Previously unidentified discharges occurring at the time of inspection?

☐ Yes

☒ No

Describe: _____

Assessment of BMPs:

Existing Structural Controls:

Secondary Containment:

Treatment BMP(s):

Sufficient

Insufficient

X	
X	

Existing Non-Structural Controls:

Good Housekeeping / Minimize Exposure

Preventive Maintenance

Spill Response Equipment (appropriately stocked):

Training:

Inspections by: 733d CED/EE

☐ Monthly ☒ Quarterly ☐ Annually

Sufficient

Insufficient

X	
X	
X	
X	

Recommended BMPs to be maintained

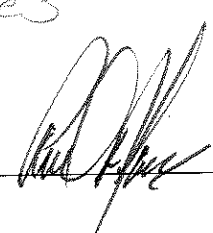
Site is Compliant with SWPPP:

☒ Yes

☐ No

Inspector(s): Donna Haynes & Paul James

Signature(s): Donna Haynes 14 June 19

 14 June 19

Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist

(For Industrial Activities Regulated Under VA0025216)

Facility: US Army Dive Company

Building(s) 211

Date of Inspection: 13 Jun 19

Weather: overcast/light rain

2015 SWPPP Status: Regulated Facility	2016 SWPPP Status: Regulated Facility
Outfall(s): 102	
Sector: Water Transportation (Sector Q and R)	
Tenant / Command:	
Building POC	
Facility / Building Description: US Army Dive Company	
Industrial Activity: Storage, Washing, Maintenance	

Outdoor Material Storage

- | | | | |
|--|--|---|---|
| <input type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Vessel Parts | <input checked="" type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> Munitions Storage |
| <input type="checkbox"/> White Goods | <input type="checkbox"/> Other: | | |

Comments:

HM / HW / POL Storage

- | | | | |
|---|---|--|---|
| <input checked="" type="checkbox"/> Flammables-Cabinets | <input type="checkbox"/> Flammables-Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – JP-5 |
| <input checked="" type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint/Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Cooking Oil: | <input type="checkbox"/> Other: | |

Comments:

no problems noted

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Potential Pollution Sources:

Pollutant Source	Quantity Stored	Stored Location Description	Material that could potentially pollute stormwater

Discharges occurring at the time of inspection?

☐ Yes

☒ No

Describe: _____

Previously unidentified discharges occurring at the time of inspection?

☐ Yes

☒ No

Describe: _____

Assessment of BMPs:

Existing Structural Controls:

Secondary Containment:

Treatment BMP(s):

Sufficient

Insufficient

X	
X	

Existing Non-Structural Controls:

Good Housekeeping / Minimize Exposure

Preventive Maintenance

Spill Response Equipment (appropriately stocked):

Training:

Inspections by: 733 CED/CEIE

☐ Monthly ☒ Quarterly ☐ Annually

Sufficient

Insufficient

X	
X	
X	
X	

Recommended BMPs to be maintained

Site is Compliant with SWPPP:

☒ Yes

☐ No

Inspector(s): Donna Haynes & Paul James

Signature(s): Donna Haynes 13 Jun 19



13 June 19

Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist

(For Industrial Activities Regulated Under VA0025216)

Facility: Heat Plant

Building(s): 587

Date of Inspection: 4 June 19

Weather: Sunny

2017 SWPPP Status: Regulated Facility	2018 SWPPP Status: Regulated Facility
Outfall(s): 068	
Sector: Land Transportation (Sector P)	
Tenant / Command:	
Building POC:	
Facility / Building Description:	
Industrial Activity: Bulk Fuel Storage, Fuel Operations and Transfer	

Outdoor Material Storage

- | | | | |
|--|--|--|--|
| <input type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Vessel Parts | <input type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input type="checkbox"/> Recycling Container | <input type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Tire Storage | <input type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> Munitions Storage |
| <input type="checkbox"/> White Goods | <input type="checkbox"/> Other: | | |

Comments:

HM / HW / POL Storage

- | | | | |
|---|---|--|--|
| <input type="checkbox"/> Flammables-Cabinets | <input type="checkbox"/> Flammables-Drums | <input checked="" type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input checked="" type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – JP-5 |
| <input type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint/Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Cooking Oil: | <input type="checkbox"/> Other: _____ | |

Comments:

no issues noted

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Potential Pollution Sources:

Pollutant Source	Quantity Stored	Stored Location Description	Material that could potentially pollute stormwater

Discharges occurring at the time of inspection?

☐ Yes

☒ No

Describe: _____

Previously unidentified discharges occurring at the time of inspection?

☐ Yes

☒ No

Describe: _____

Assessment of BMPs:

Existing Structural Controls:

Secondary Containment:

Treatment BMP(s):

Sufficient

Insufficient

<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Existing Non-Structural Controls:

Good Housekeeping / Minimize Exposure

Preventive Maintenance

Spill Response Equipment (appropriately stocked):

Training:

Inspections by: 733d CED/CEIE

☐ Monthly

☒ Quarterly

☐ Annually

Sufficient

Insufficient

<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Recommended BMPs to be maintained

Site is Compliant with SWPPP:

☒ Yes

☐ No

Inspector(s): Donna Haynes & Paul James

Signature(s): Donna Haynes 14 June 19

[Handwritten signature] 14 June 19

Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist

(For Industrial Activities Regulated Under VA0025216)

Facility: AAFES Shopette

Building(s): 704

Date of Inspection: 14 Jun 19

Weather: Sunny

2015 SWPPP Status: Regulated Facility	2016 SWPPP Status: Regulated Facility
Outfall(s): 084	
Sector: Land Transportation (Sector P)	
Tenant / Command:	
Building POC Roy Punzalan	
Facility / Building Description: Shopette	
Industrial Activity: Bulk Fuel Storage, Fueling Operations, Loading/Unloading	

Outdoor Material Storage

- | | | | |
|--|--|--|---|
| <input type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Vessel Parts | <input type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> Munitions Storage |
| <input type="checkbox"/> White Goods | <input type="checkbox"/> Other: | | |

Comments:

HM / HW / POL Storage

- | | | | |
|--|---|--|---|
| <input type="checkbox"/> Flammables-Cabinets | <input type="checkbox"/> Flammables-Drums | <input checked="" type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input checked="" type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – JP-5 |
| <input checked="" type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint/Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Cooking Oil: | <input type="checkbox"/> Other: _____ | |

Comments:

no issues found

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Potential Pollution Sources:

Pollutant Source	Quantity Stored	Stored Location Description	Material that could potentially pollute stormwater

Discharges occurring at the time of inspection?

☐ Yes

☒ No

Describe: _____

Previously unidentified discharges occurring at the time of inspection?

☐ Yes

☒ No

Describe: _____

Assessment of BMPs:

Existing Structural Controls:

Secondary Containment:

Treatment BMP(s):

Sufficient

Insufficient

<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Existing Non-Structural Controls:

Good Housekeeping / Minimize Exposure

Preventive Maintenance

Spill Response Equipment (appropriately stocked):

Training:

Inspections by: 733d CED/CEIE

☐ Monthly ☒ Quarterly ☐ Annually

Sufficient

Insufficient

<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Recommended BMPs to be maintained

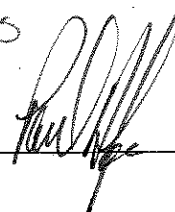
Site is Compliant with SWPPP:

☒ Yes

☐ No

Inspector(s): Donna Haynes & Paul James

Signature(s): Donna Haynes 14 Jun 19



14 June 19

Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist

(For Industrial Activities Regulated Under VA0025216)

Facility: Railroad Training Activities

Building(s): 1620

Date of Inspection: 13 Jun 19

Weather: overcast / light rain

2017 SWPPP Status: Regulated Facility	2018 SWPPP Status: Regulated Facility
Outfall(s): 112	
Sector: Land Transportation (Sector P)	
Tenant / Command:	
Building POC:	
Facility / Building Description:	
Industrial Activity: Railroad Training Activities	

Outdoor Material Storage

- | | | | |
|--|--|--|--|
| <input type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Vessel Parts | <input type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input type="checkbox"/> Recycling Container | <input type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Tire Storage | <input type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> Munitions Storage |
| <input type="checkbox"/> White Goods | <input type="checkbox"/> Other: | | |

Comments:

HM / HW / POL Storage

- | | | | |
|---|---|--|---|
| <input type="checkbox"/> Flammables-Cabinets | <input type="checkbox"/> Flammables-Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – JP-5 |
| <input type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint/Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Cooking Oil: | <input type="checkbox"/> Other: | |

Comments:

no activities going on. lot empty
of all vehicles.
no signs of any problems.

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Potential Pollution Sources:

Pollutant Source	Quantity Stored	Stored Location Description	Material that could potentially pollute stormwater
<i>nothing on site no activity</i>			

Discharges occurring at the time of inspection?

☐ Yes

☒ No

Describe: _____

Previously unidentified discharges occurring at the time of inspection?

☐ Yes

☒ No

Describe: _____

Assessment of BMPs:

Existing Structural Controls:

Secondary Containment:

Treatment BMP(s):

Sufficient

Insufficient

<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Existing Non-Structural Controls:

Good Housekeeping / Minimize Exposure

Preventive Maintenance

Spill Response Equipment (appropriately stocked):

Training:

Inspections by: 733d CED/CEIE

☐ Monthly ☒ Quarterly ☒ Annually

Sufficient

Insufficient

<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Recommended BMPs to be maintained

Site is Compliant with SWPPP:

☒ Yes

☐ No

Inspector(s): *Donna Haynes & Paul James*

Signature(s): *Donna Haynes 13 June 19*

Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist

(For Industrial Activities Regulated Under VA0025216)

Facility: 128th Brigade S4

Building(s): 3301

Date of Inspection: 14 Jun 19

Weather: Sunny

2017 SWPPP Status: Regulated Facility	2018 SWPPP Status: Regulated Facility
Outfall(s): 046	
Sector: Land Transportation (Sector P)	
Tenant / Command:	
Building POC:	
Facility / Building Description:	
Industrial Activity: Storage	

Outdoor Material Storage

- | | | | |
|--|--|--|---|
| <input type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Vessel Parts | <input checked="" type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> Munitions Storage |
| <input type="checkbox"/> White Goods | <input type="checkbox"/> Other: | | |

Comments:

HM / HW / POL Storage

- | | | | |
|---|---|--|---|
| <input type="checkbox"/> Flammables-Cabinets | <input type="checkbox"/> Flammables-Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – JP-5 |
| <input type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint/Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Cooking Oil: | <input type="checkbox"/> Other: _____ | |

Comments:

no problems noted

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Potential Pollution Sources:

Pollutant Source	Quantity Stored	Stored Location Description	Material that could potentially pollute stormwater

Discharges occurring at the time of inspection?

☐ Yes

☒ No

Describe: _____

Previously unidentified discharges occurring at the time of inspection?

☐ Yes

☒ No

Describe: _____

Assessment of BMPs:

Existing Structural Controls:

Secondary Containment:

Treatment BMP(s):

Sufficient

Insufficient

<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Existing Non-Structural Controls:

Good Housekeeping / Minimize Exposure

Preventive Maintenance

Spill Response Equipment (appropriately stocked):

Training:

Inspections by: 733d CED/CEIE

☐ Monthly ☒ Quarterly ☐ Annually

Sufficient

Insufficient

<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Recommended BMPs to be maintained

Site is Compliant with SWPPP:

☒ Yes

☐ No

Inspector(s): Donna Haynes & Paul James

Signature(s): Donna Haynes 14 Jun 19

Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist

(For Industrial Activities Regulated Under VA0025216)

Facility: Engine Run Test Cell

Building(s): 3307

Date of Inspection: 13 Jun 19

Weather: overcast light rain

2017 SWPPP Status: Regulated Facility	2018 SWPPP Status: Regulated Facility
Outfall(s): 046	
Sector: Air Transportation (Sector S)	
Tenant / Command:	
Building POC: Ted Dalgleish	
Facility / Building Description: C CO 2-210 AVN RGMT	
Industrial Activity: Maintenance	

Outdoor Material Storage

- | | | | |
|--|--|--|--|
| <input type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Vessel Parts | <input type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input type="checkbox"/> Recycling Container | <input type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Tire Storage | <input type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> Munitions Storage |
| <input type="checkbox"/> White Goods | <input type="checkbox"/> Other: | | |

Comments:

HM / HW / POL Storage

- | | | | |
|---|---|--|---|
| <input type="checkbox"/> Flammables-Cabinets | <input type="checkbox"/> Flammables-Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – JP-5 |
| <input type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint/Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Cooking Oil: | <input type="checkbox"/> Other: | |

Comments:

no longer needed for inspections
Bldg has been converted to
admin.
Donna Haynes

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Potential Pollution Sources:

Pollutant Source	Quantity Stored	Stored Location Description	Material that could potentially pollute stormwater

Discharges occurring at the time of inspection?

☐ Yes

☒ No

Describe: _____

Previously unidentified discharges occurring at the time of inspection?

☐ Yes

☒ No

Describe: _____

Assessment of BMPs:

Existing Structural Controls:

Secondary Containment:

Treatment BMP(s):

Sufficient

Insufficient

<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Existing Non-Structural Controls:

Good Housekeeping / Minimize Exposure

Preventive Maintenance

Spill Response Equipment (appropriately stocked):

Training:

Inspections by: 733d CED/CEIE

☐ Monthly ☒ Quarterly ☐ Annually

Sufficient

Insufficient

<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Recommended BMPs to be maintained

Site is Compliant with SWPPP:

☒ Yes

☐ No

Inspector(s): Donna Haynes

Paul Jones

Signature(s):

Donna Haynes

13 June 19

13 June 19

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Facility: US Army Dive Company

Building 211

Date/Time of Inspection: 23 July 19 / 1230 **Weather:** Rain

2018 SWPPP Status: Regulated Facility
Outfall: 102
Sector: Water Transportation (Sector Q and R)
Tenant/Command:
Facility/Building POC:
Facility/Building Description: US Army Dive Company
Industrial Activity: Storage, Washing, Maintenance
Quarter 1 2 ③ 4

Outdoor Material Storage

- | | | | |
|---|--|--|--|
| <input checked="" type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Vessel Parts | <input checked="" type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input checked="" type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input type="checkbox"/> Recycling Container | <input type="checkbox"/> Cardboard/Paper |
| <input checked="" type="checkbox"/> Tire Storage | <input type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> Munitions Storage |
| <input type="checkbox"/> White Goods | <input type="checkbox"/> Other: | | |

Comments:

HM/HW/POL Storage

- | | | | |
|---|--|--|---|
| <input checked="" type="checkbox"/> Flammables-Cabinets | <input type="checkbox"/> Flammables-Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input checked="" type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input checked="" type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – JP-5 |
| <input type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint/Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Cooking Oil: | <input type="checkbox"/> Other: _____ | |

Comments:

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Potential Pollution Sources:

Pollutant Source	Quantity Stored	Stored Location Description	Material that could potentially pollute stormwater
Sediment/Debris			

Discharges occurring at the time of inspection?

☒ Yes ☒ No

Describe: Storm Water

Previously unidentified discharges occurring at the time of inspection?

☐ Yes ☒ No

Describe: _____

Assessment of BMPs:

Existing Structural Controls:

Secondary Containment:

Treatment BMP(s):

Sufficient	Insufficient
<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	

Existing Non-Structural Controls:

Good Housekeeping / Minimize Exposure

Preventive Maintenance

Spill Response Equipment (appropriately stocked):

Training:

Sufficient	Insufficient
	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	

Failed control measures needing replacement?

☐ Yes ☒ No

If yes, describe: _____

Any additional control measures needed to comply with permitted requirements?

☐ Yes ☒ No

If yes, describe: _____

Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist

(For Industrial Activities Regulated Under VA0025216)

Area Needs to Be Swept

Recommended BMPs to be maintained: Sediment / Trash + Debris
Surface Drain Inlet

Site is Compliant with SWPPP:

☐ Yes

☒ No

Inspector(s): Scott Molen

Signature(s): 

**Joint Base Langley Eustis – Eustis
2019 Routine Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under Permit #VA0025216)

Facility: 3rd Port

Buildings: 400, 405, 409, 410, 411, 426, 433, 438, 445, 453, 454, 455, 460

Date/Time of Inspection: 5 AUG 19

Weather: Rain

2018 SWPPP Status: Regulated Facility
Outfall(s): 006, 007, 009, 079, 080, 083, 137, 138, 139
Sector: Water Transportation (Sector Q)
Tenant/Command:
Facility/Building POC:
Facility/Building Description: 3 rd Port
Industrial Activity:

Outdoor Material Storage

- | | | | |
|---|---|---|---|
| <input checked="" type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Vessel Parts | <input type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input checked="" type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Drums/Tanks | <input checked="" type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> Munitions Storage |
| <input type="checkbox"/> White Goods | <input checked="" type="checkbox"/> Other: hall off dumpsters | | |

Comments:

HM/HW/POL Storage

- | | | | |
|---|--|--|---|
| <input checked="" type="checkbox"/> Flammables-Cabinets | <input type="checkbox"/> Flammables-Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – Diesel | <input checked="" type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – JP-5 |
| <input type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint/Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Cooking Oil: | <input type="checkbox"/> Other: _____ | |

Comments:

**Joint Base Langley Eustis – Eustis
2019 Routine Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under Permit #VA0025216)

Potential Pollution Sources:

Pollutant Source	Quantity Stored	Stored Location Description	Material that could potentially pollute stormwater

Discharges occurring at the time of inspection?

☒ Yes

☐ No

Describe: Re Storm work

Previously unidentified discharges occurring at the time of inspection?

☐ Yes

☒ No

Describe: _____

Assessment of BMPs:

Existing Structural Controls:

Secondary Containment:

Treatment BMP(s):

Sufficient

Insufficient

<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Existing Non-Structural Controls:

Good Housekeeping / Minimize Exposure

Preventive Maintenance

Spill Response Equipment (appropriately stocked):

Training

Sufficient

Insufficient

<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Failed control measures needing replacement?

☐ Yes

☒ No

If yes, describe: _____

Any additional control measures needed to comply with permitted requirements?

☐ Yes

☒ No

If yes, describe: _____

Joint Base Langley Eustis – Eustis
2019 Routine Facility Inspection (RFI) Checklist

(For Industrial Activities Regulated Under Permit #VA0025216)

Recommended BMPs to be maintained: Roll off need to be covered. Contents
exposed to storm water.

Site is Compliant with SWPPP:

☒ Yes

☐ No

Inspector(s):

Sgt. Mide / Micah Miller

Signature(s):

[Signature]

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Facility: Heat Plant

Building: 587

Date/Time of Inspection: 23 July 19 / 1500 Weather: Rain

2018 SWPPP Status: Regulated Facility
Outfall: 068
Sector: Land Transportation (Sector P)
Tenant/Command:
Facility/Building POC:
Facility/Building Description:
Industrial Activity: Bulk Fuel Storage, Fuel Operations and Transfer
Quarter 1 2 3 4

Outdoor Material Storage

- | | | | |
|--|--|--|--|
| <input type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Vessel Parts | <input type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input type="checkbox"/> Recycling Container | <input type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Tire Storage | <input type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> Munitions Storage |
| <input type="checkbox"/> White Goods | <input type="checkbox"/> Other: | | |

Comments:

HM/HW/POL Storage

- | | | | |
|---|---|---|--|
| <input type="checkbox"/> Flammables-Cabinets | <input type="checkbox"/> Flammables-Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input checked="" type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – JP-5 |
| <input type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint/Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Cooking Oil: | <input checked="" type="checkbox"/> Other: 20000 Lbs Diesel | |

Comments:

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Potential Pollution Sources:

Pollutant Source	Quantity Stored	Stored Location Description	Material that could potentially pollute stormwater

Discharges occurring at the time of inspection?

☒ Yes

☐ No

Describe:

Storm Water

Previously unidentified discharges occurring at the time of inspection?

☐ Yes

☒ No

Describe: _____

Assessment of BMPs:

Existing Structural Controls:

Secondary Containment:

Treatment BMP(s):

Sufficient

Insufficient

☒

☐

☒

☐

Existing Non-Structural Controls:

Good Housekeeping / Minimize Exposure

Preventive Maintenance

Spill Response Equipment (appropriately stocked):

Training:

Sufficient

Insufficient

☒

☐

☒

☐

☒

☐

☒

☐

Failed control measures needing replacement?

☐ Yes

☒ No

If yes, describe: _____

Any additional control measures needed to comply with permitted requirements?

☐ Yes

☒ No

If yes, describe: _____

Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist

(For Industrial Activities Regulated Under VA0025216)

Recommended BMPs to be maintained: _____

Site is Compliant with SWPPP:

☒ Yes

☐ No

Inspector(s): Scott Mide / Jonathan Holme / Michael Miller

Signature(s):



**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Facility: AAFES Shopette

Building: 704

Date/Time of Inspection: 23 July 19 / 1312

Weather: Rain

2018 SWPPP Status: Regulated Facility
Outfall: 084
Sector: Land Transportation (Sector P)
Tenant/Command:
Facility/Building POC
Facility/Building Description: Shopette
Industrial Activity: Bulk Fuel Storage, Fueling Operations, Loading/Unloading
Quarter 1 2 <u>3</u> 4

Outdoor Material Storage

- | | | | |
|---|--|--|---|
| <input type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Vessel Parts | <input type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input checked="" type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Tire Storage | <input type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> Munitions Storage |
| <input type="checkbox"/> White Goods | <input type="checkbox"/> Other: | | |

Comments:

HM/HW/POL Storage

- | | | | |
|---|---|---|---|
| <input type="checkbox"/> Flammables-Cabinets | <input type="checkbox"/> Flammables-Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – JP-5 |
| <input type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint/Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Cooking Oil: | <input checked="" type="checkbox"/> Other: <u>UST</u> | |

Comments:

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Potential Pollution Sources:

Pollutant Source	Quantity Stored	Stored Location Description	Material that could potentially pollute stormwater

Discharges occurring at the time of inspection?

☒ Yes

☒ No

Describe:

Storm water

Previously unidentified discharges occurring at the time of inspection?

☐ Yes

☒ No

Describe: _____

Assessment of BMPs:

Existing Structural Controls:

Secondary Containment:

Treatment BMP(s):

Sufficient

Insufficient

<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Existing Non-Structural Controls:

Good Housekeeping / Minimize Exposure

Preventive Maintenance

Spill Response Equipment (appropriately stocked):

Training

Sufficient

Insufficient

<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Failed control measures needing replacement?

☐ Yes

☒ No

If yes, describe: _____

Any additional control measures needed to comply with permitted requirements?

☐ Yes

☒ No

If yes, describe: _____

Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist

(For Industrial Activities Regulated Under VA0025216)

Recommended BMPs to be maintained: _____

Site is Compliant with SWPPP:

☒ Yes

☐ No

Inspector(s): Sgt A Mole Jonathon Colmer / Michael

Signature(s):

[Signature]

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Facility: Motor Pool

Building(s): 806, 816, 836, 845, 846, 847, 851, 886, 887, 888, 889

Date/Time of Inspection: 23 July 19/135 **Weather:** Rain

2018 SWPPP Status: Regulated Facility
Outfall(s): 024, 025, 101, 105
Sector: Land Transportation (Sector P)
Tenant/Command:
Building POC
Facility/Building Description: Motor Pool
Industrial Activity: Maintenance
Quarter 1 2 (3) 4

Outdoor Material Storage

- | | | | |
|---|--|--|--|
| <input checked="" type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Vessel Parts | <input checked="" type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input checked="" type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input type="checkbox"/> Recycling Container | <input type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Tire Storage | <input type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> Munitions Storage |
| <input type="checkbox"/> White Goods | <input type="checkbox"/> Other: | | |

Comments:

HM/HW/POL Storage

- | | | | |
|--|---|--|--|
| <input type="checkbox"/> Flammables-Cabinets | <input type="checkbox"/> Flammables-Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input checked="" type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input checked="" type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – JP-5 |
| <input type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint/Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Cooking Oil: | <input type="checkbox"/> Other: _____ | |

Comments:

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Potential Pollution Sources:

Pollutant Source	Quantity Stored	Stored Location Description	Material that could potentially pollute stormwater

Discharges occurring at the time of inspection?

☒ Yes ☒ No

Describe:

Storm water

Previously unidentified discharges occurring at the time of inspection?

☐ Yes ☒ No

Describe: _____

Assessment of BMPs:

Existing Structural Controls:

Secondary Containment: Plugs missing
Treatment BMP(s):

Sufficient	Insufficient
<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Existing Non-Structural Controls:

Good Housekeeping / Minimize Exposure
Preventive Maintenance
Spill Response Equipment (appropriately stocked):
Training

Sufficient	Insufficient
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Failed control measures needing replacement?

☒ Yes ☐ No

If yes, describe:

Secondary need plugs on Damage holes

Any additional control measures needed to comply with permitted requirements?

☐ Yes ☒ No

If yes, describe: _____

Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist

(For Industrial Activities Regulated Under VA0025216)

Recommended BMPs to be maintained: Secondary Systems missing Plugs & Stuffed with Rags,
Sweep Secondary after from Inlet, Clean out Secondaries

Site is Compliant with SWPPP: ☐ Yes ☒ No

Inspector(s): Scott Miller, Jonathan Colmer, Micah Miller

Signature(s): 

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Facility: US Army Reserve Center

Building(s): 1035, 1036

Date/Time of Inspection: 23 Jul, 15/1456 Weather: Rain

2018 SWPPP Status: Regulated Facility
Outfall: 108
Sector: Land Transportation (Sector P)
Tenant/Command:
Facility/Building POC:
Facility/Building Description:
Industrial Activity: Maintenance, Washing
Quarter 1 2 3 4

Outdoor Material Storage

- | | | | |
|---|--|--|--|
| <input checked="" type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Vessel Parts | <input checked="" type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input type="checkbox"/> Recycling Container | <input type="checkbox"/> Cardboard/Paper |
| <input checked="" type="checkbox"/> Tire Storage | <input type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> Munitions Storage |
| <input type="checkbox"/> White Goods | <input type="checkbox"/> Other: | | |

Comments:

HM/HW/POL Storage

- | | | | |
|--|---|--|---|
| <input type="checkbox"/> Flammables-Cabinets | <input type="checkbox"/> Flammables-Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input checked="" type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – JP-5 |
| <input type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint/Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Cooking Oil: | <input type="checkbox"/> Other: _____ | |

Comments:

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Potential Pollution Sources:

Pollutant Source	Quantity Stored	Stored Location Description	Material that could potentially pollute stormwater

Discharges occurring at the time of inspection?

☒ Yes

☒ No

Describe: Storm Water

Previously unidentified discharges occurring at the time of inspection?

☐ Yes

☒ No

Describe: _____

Assessment of BMPs:

Existing Structural Controls:

Secondary Containment:

Treatment BMP(s):

Sufficient

Insufficient

<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

Existing Non-Structural Controls:

Good Housekeeping / Minimize Exposure

Preventive Maintenance

Spill Response Equipment (appropriately stocked):

Training:

Sufficient

Insufficient

<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Failed control measures needing replacement?

☐ Yes

☒ No

If yes, describe: _____

Any additional control measures needed to comply with permitted requirements?

☐ Yes

☒ No

Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist

(For Industrial Activities Regulated Under VA0025216)

Recommended BMPs to be maintained: Filter Box Val Valve open on Secondary

Site is Compliant with SWPPP: ☐ Yes ☒ No

Inspector(s): Scott Miller, Jonathan Colmer, Micah
Signature(s): Miller

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Facility: Waste Centers

Building(s): 1205, 1208, 1209, 1210

Date/Time of Inspection: 23 July 19/1505 Weather: Raining

2018 SWPPP Status: Regulated Facility
Outfall(s): 035, 109, 110
Sector: Land Transportation (Sector P)
Tenant/Command:
Facility/Building POC:
Facility/Building Description: Warehouse
Industrial Activity: Maintenance: Waste Storage
Quarter 1 2 (3) 4

Outdoor Material Storage

- | | | | |
|---|--|---|---|
| <input type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Vessel Parts | <input checked="" type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input checked="" type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input checked="" type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Tire Storage | <input type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Drums/Tanks | <input checked="" type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> Munitions Storage |
| <input type="checkbox"/> White Goods | <input checked="" type="checkbox"/> Other: <u>FF Dumpsters</u> | | |

Comments:

HM/HW/POL Storage

- | | | | |
|---|---|--|--|
| <input checked="" type="checkbox"/> Flammables-Cabinets | <input type="checkbox"/> Flammables-Drums | <input checked="" type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input checked="" type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – JP-5 |
| <input type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input checked="" type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint/Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Cooking Oil: | <input type="checkbox"/> Other: _____ | |

Comments:

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Potential Pollution Sources:

Pollutant Source	Quantity Stored	Stored Location Description	Material that could potentially pollute stormwater

Discharges occurring at the time of inspection?

☒ Yes ☐ No

Describe: Storm water

Previously unidentified discharges occurring at the time of inspection?

☐ Yes ☒ No

Describe: _____

Assessment of BMPs:

Existing Structural Controls:

Secondary Containment:

Treatment BMP(s):

Sufficient	Insufficient
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Existing Non-Structural Controls:

Good Housekeeping / Minimize Exposure

Preventive Maintenance

Spill Response Equipment (appropriately stocked):

Training

Sufficient	Insufficient
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Failed control measures needing replacement?

☐ Yes ☒ No

If yes, describe: _____

Any additional control measures needed to comply with permitted requirements?

☐ Yes ☒ No

Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist

(For Industrial Activities Regulated Under VA0025216)

Recommended BMPs to be maintained: Roll offs need to be covered. Contents
exposed to stormwater.

Site is Compliant with SWPPP:

☒ Yes

☐ No

Inspector(s): Sasha Miller, Jonathan Calder, Micah Miller

Signature(s): [Signature]

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Facility: Civil Engineer Division (CED)

Building(s): 1401, 1403, 1405, 1406, 1407, 1411, 1412, 1415, 1421, 1422, 1423, 1428

Date/Time of Inspection: 23 July 19 /

Weather: Baining

2018 SWPPP Status: Regulated Facility
Outfall(s): 034, 036, 037, 046, 111, 112, 116
Sector: Land Transportation (Sector P)
Tenant/Command:
Facility/Building POC:
Facility/Building Description: CED
Industrial Activity: Maintenance: Storage
Quarter 1 2 <u>3</u> 4

Outdoor Material Storage

- | | | | |
|---|---|--|---|
| <input checked="" type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Vessel Parts | <input checked="" type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input checked="" type="checkbox"/> Wood/Lumber | <input checked="" type="checkbox"/> Construction Material | <input type="checkbox"/> Recycling Container | <input type="checkbox"/> Cardboard/Paper |
| <input checked="" type="checkbox"/> Tire Storage | <input type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Drums/Tanks | <input checked="" type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> Munitions Storage |
| <input type="checkbox"/> White Goods | <input checked="" type="checkbox"/> Other: Refr Refrigerators & HVAC HVAC | | |

Comments:

HM/HW/POL Storage

- | | | | |
|--|--|--|--|
| <input checked="" type="checkbox"/> Flammables-Cabinets | <input type="checkbox"/> Flammables-Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input checked="" type="checkbox"/> Mobile Tank – diesel | <input checked="" type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input checked="" type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – JP-5 |
| <input type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint/Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Cooking Oil: | <input type="checkbox"/> Other: _____ | |

Comments:

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Potential Pollution Sources:

Pollutant Source	Quantity Stored	Stored Location Description	Material that could potentially pollute stormwater

Discharges occurring at the time of inspection?

☒ Yes

☐ No

Describe: Storm water

Previously unidentified discharges occurring at the time of inspection?

☐ Yes

☒ No

Describe: _____

Assessment of BMPs:

Existing Structural Controls:

Secondary Containment:

Treatment BMP(s):

Sufficient

Insufficient

<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Existing Non-Structural Controls:

Good Housekeeping / Minimize Exposure

Preventive Maintenance

Spill Response Equipment (appropriately stocked):

Training

Sufficient

Insufficient

<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Failed control measures needing replacement?

☐ Yes

☒ No

If yes, describe: _____

Any additional control measures needed to comply with permitted requirements?

☐ Yes

☐ No

If yes, describe: _____

Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist

(For Industrial Activities Regulated Under VA0025216)

Recommended BMPs to be maintained: 1711 Stormwater Inlet Bypass

Site is Compliant with SWPPP: ☒ Yes ☐ No

Inspector(s): Scott Moore, Jonathon Colmer, Micah Miller

Signature(s): 

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Facility: Railroad Training Activities

Building: 1620

Date/Time of Inspection: 23 July 19 / 513

Weather: Raining

2018 SWPPP Status: Regulated Facility
Outfall: 112
Sector: Land Transportation (Sector P)
Tenant/Command:
Facility/Building POC:
Facility/Building Description:
Industrial Activity: Railroad Training Activities
Quarter 1 2 ③ 4

Outdoor Material Storage

- | | | | |
|---|--|--|--|
| <input checked="" type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Vessel Parts | <input type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input type="checkbox"/> Recycling Container | <input type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Tire Storage | <input type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> Munitions Storage |
| <input type="checkbox"/> White Goods | <input type="checkbox"/> Other: | | |

Comments:

HM/HW/POL Storage

- | | | | |
|---|---|--|---|
| <input type="checkbox"/> Flammables-Cabinets | <input type="checkbox"/> Flammables-Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – JP-5 |
| <input type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint/Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Cooking Oil: | <input type="checkbox"/> Other: _____ | |

Comments:

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Potential Pollution Sources:

Pollutant Source	Quantity Stored	Stored Location Description	Material that could potentially pollute stormwater

Discharges occurring at the time of inspection?

☒ Yes ☐ No

Describe: Storm water

Previously unidentified discharges occurring at the time of inspection?

☐ Yes ☒ No

Describe: _____

Assessment of BMPs:

Existing Structural Controls:

Secondary Containment:

Treatment BMP(s):

Sufficient	Insufficient
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Existing Non-Structural Controls:

Good Housekeeping / Minimize Exposure

Preventive Maintenance

Spill Response Equipment (appropriately stocked):

Training

Sufficient	Insufficient
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Failed control measures needing replacement?

☐ Yes ☒ No

If yes, describe: _____

Any additional control measures needed to comply with permitted requirements?

☐ Yes ☒ No

If yes, describe: _____

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Recommended BMPs to be maintained: _____

Site is Compliant with SWPPP:

☒ Yes

☐ No

Inspector(s): *Sasha Miller Jonathan Colman Michael Miller*

Signature(s):

[Signature]

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Facility: 128th Brigade S4

Building: 3301

Date/Time of Inspection: 2 Aug 15 / 1153

Weather: Rain

2018 SWPPP Status: Regulated Facility
Outfall: 046
Sector: Land Transportation (Sector P)
Tenant/Command:
Facility/Building POC:
Facility/Building Description:
Industrial Activity: Storage
Quarter 1 2 3 4

Outdoor Material Storage

- | | | | |
|---|--|---|--|
| <input checked="" type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Vessel Parts | <input type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> Munitions Storage |
| <input type="checkbox"/> White Goods | <input checked="" type="checkbox"/> Other: <u>Regd. Roll-off</u> | | |

Comments:

HM/HW/POL Storage

- | | | | |
|---|---|--|---|
| <input checked="" type="checkbox"/> Flammables-Cabinets | <input type="checkbox"/> Flammables-Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – JP-5 |
| <input type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint/Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Cooking Oil: | <input type="checkbox"/> Other: _____ | |

Comments:

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Potential Pollution Sources:

Pollutant Source	Quantity Stored	Stored Location Description	Material that could potentially pollute stormwater

Discharges occurring at the time of inspection?

☒ Yes ☐ No

Describe: Rain, Clear

Previously unidentified discharges occurring at the time of inspection?

☐ Yes ☒ No

Describe: _____

Assessment of BMPs:

Existing Structural Controls:

Secondary Containment:

Treatment BMP(s):

Sufficient	Insufficient
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Existing Non-Structural Controls:

Good Housekeeping / Minimize Exposure

Preventive Maintenance

Spill Response Equipment (appropriately stocked):

Training

Sufficient	Insufficient
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Failed control measures needing replacement?

☐ Yes ☒ No

If yes, describe: _____

Any additional control measures needed to comply with permitted requirements?

☐ Yes ☒ No

If yes, describe: _____

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Recommended BMPs to be maintained: Roll offtr need to be covered. Contents
exposed to rainwater.

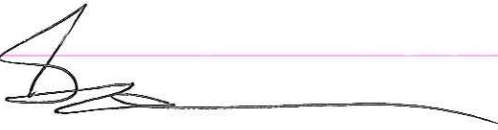
Site is Compliant with SWPPP:

☒ Yes

☐ No

Inspector(s): micah miller

Signature(s):



**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Facility: Causeway Yard

Building(s): 2015, 2022, 2025

Date/Time of Inspection: 2 Aug 19 / 1140

Weather: Rain

2018 SWPPP Status: Regulated Facility
Outfall(s): 051, 114
Sector: Water Transportation (Sector Q and R)
Tenant/Command:
Facility/Building POC: Sgt Thomas
Facility/Building Description: Causeway Yard
Industrial Activity: Modular Pier Storage, Maintenance, Washing
Quarter 1 2 ③ 4

Outdoor Material Storage

- | | | | |
|---|--|--|--|
| <input checked="" type="checkbox"/> Vehicle Storage | <input checked="" type="checkbox"/> Vessel Parts | <input checked="" type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input checked="" type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input type="checkbox"/> Recycling Container | <input type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> Munitions Storage |
| <input type="checkbox"/> White Goods | <input type="checkbox"/> Other: | | |

Comments:

HM/HW/POL Storage

- | | | | |
|---|--|--|---|
| <input checked="" type="checkbox"/> Flammables-Cabinets | <input type="checkbox"/> Flammables-Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input checked="" type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – JP-5 |
| <input type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint/Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Cooking Oil: | <input type="checkbox"/> Other: | |

Comments:

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Potential Pollution Sources:

Pollutant Source	Quantity Stored	Stored Location Description	Material that could potentially pollute stormwater

Discharges occurring at the time of inspection?

☒ Yes

☐ No

Describe: Rain Storm water

Previously unidentified discharges occurring at the time of inspection?

☐ Yes

☒ No

Describe: _____

Assessment of BMPs:

Existing Structural Controls:

Secondary Containment:

Treatment BMP(s):

Sufficient

Insufficient

<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Existing Non-Structural Controls:

Good Housekeeping / Minimize Exposure

Preventive Maintenance

Spill Response Equipment (appropriately stocked):

Training

Sufficient

Insufficient

<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Failed control measures needing replacement?

☐ Yes

☒ No

If yes, describe: _____

Any additional control measures needed to comply with permitted requirements?

☐ Yes

☒ No

If yes, describe: _____

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Recommended BMPs to be maintained: _____

Site is Compliant with SWPPP:

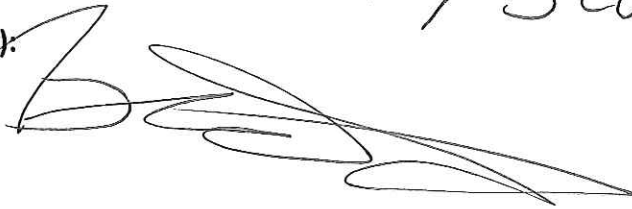
☒ Yes

☐ No

Inspector(s):

Mich - Miller / Scott Mole

Signature(s):



**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Facility: Felker Army Airfield

Building(s): 2400, 2401, 2402, 2414, 2415, 2418, 2449

Date/Time of Inspection: 5 Aug 2019 / 0800

Weather: Rain

2018 SWPPP Status: <u>Regulated Facility</u>
Outfall(s): 064, 065, 069, 070, 071, 072, 073, 123
Sector: <u>Air Transportation (Sector S)</u>
Tenant/Command:
Facility/Building POC:
Facility/Building Description:
Industrial Activity: Maintenance, Washing, Storage, Painting
Quarter 1 2 <u>3</u> 4

Outdoor Material Storage

- | | | | |
|---|--|---|---|
| <input checked="" type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Vessel Parts | <input checked="" type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input checked="" type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Drums/Tanks | <input checked="" type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> Munitions Storage |
| <input type="checkbox"/> White Goods | <input type="checkbox"/> Other: | | |

Comments:

HM/HW/POL Storage

- | | | | |
|---|---|---|---|
| <input type="checkbox"/> Flammables-Cabinets | <input type="checkbox"/> Flammables-Drums | <input checked="" type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input checked="" type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – JP-5 |
| <input type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint/Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Cooking Oil: | <input checked="" type="checkbox"/> Other: <u>Hazardous material Building</u> | |

Comments:

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Potential Pollution Sources:

Pollutant Source	Quantity Stored	Stored Location Description	Material that could potentially pollute stormwater

Discharges occurring at the time of inspection? ☒ Yes ☐ No

Describe: Rain Storm water

Previously unidentified discharges occurring at the time of inspection? ☐ Yes ☒ No

Describe: _____

Assessment of BMPs:

Existing Structural Controls:

Secondary Containment:

Treatment BMP(s):

Sufficient	Insufficient
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Existing Non-Structural Controls:

Good Housekeeping / Minimize Exposure

Preventive Maintenance

Spill Response Equipment (appropriately stocked):

Training

Sufficient	Insufficient
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Failed control measures needing replacement? ☐ Yes ☒ No

If yes, describe: _____

Any additional control measures needed to comply with permitted requirements?

☐ Yes ☒ No

If yes, describe: _____

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Recommended BMPs to be maintained: _____

Site is Compliant with SWPPP:

☒ Yes

☐ No

Inspector(s):

micah miller / scott mole

Signature(s):



**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Facility: Felker Army Airfield

Building(s): 2405, 2407, 2409, 2411, 2413, 2419, 2448, 2450

Date/Time of Inspection: 5 Aug 2019 / 0819

Weather: Rainy

2018 SWPPP Status: Regulated Facility
Outfall(s): 064, 065, 069, 070, 071, 072, 073, 123
Sector: Air Transportation (Sector S)
Tenant/Command:
Facility/Building POC:
Facility/Building Description:
Industrial Activity: Maintenance, Washing, Storage, Painting
Quarter 1 2 <u>3</u> 4

Outdoor Material Storage

- | | | | |
|---|--|--|---|
| <input checked="" type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Vessel Parts | <input type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input checked="" type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input type="checkbox"/> Recycling Container | <input type="checkbox"/> Cardboard/Paper |
| <input type="checkbox"/> Tire Storage | <input type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Drums/Tanks | <input checked="" type="checkbox"/> Aggregate Storage |
| <input checked="" type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> Munitions Storage |
| <input type="checkbox"/> White Goods | <input type="checkbox"/> Other: | | |

Comments:

HM/HW/POL Storage

- | | | | |
|---|---|--|---|
| <input checked="" type="checkbox"/> Flammables-Cabinets | <input type="checkbox"/> Flammables-Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input checked="" type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – JP-5 |
| <input checked="" type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint/Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Cooking Oil: | <input type="checkbox"/> Other: _____ | |

Comments:

Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist

(For Industrial Activities Regulated Under VA0025216)

Potential Pollution Sources:

Pollutant Source	Quantity Stored	Stored Location Description	Material that could potentially pollute stormwater

Discharges occurring at the time of inspection? ☒ Yes ☐ No

Describe: Rain water

Previously unidentified discharges occurring at the time of inspection? ☐ Yes ☒ No

Describe: _____

Assessment of BMPs:

Existing Structural Controls:

Secondary Containment:

Treatment BMP(s):

Sufficient	Insufficient
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Existing Non-Structural Controls:

Good Housekeeping / Minimize Exposure

Preventive Maintenance

Spill Response Equipment (appropriately stocked):

Training

Sufficient	Insufficient
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Failed control measures needing replacement? ☐ Yes ☒ No

If yes, describe: _____

Any additional control measures needed to comply with permitted requirements?

☐ Yes ☒ No

If yes, describe: _____

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Recommended BMPs to be maintained: _____

Site is Compliant with SWPPP:

☒ Yes

☐ No

Inspector(s): micah miller / Seda mole

Signature(s): 



**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Facility: HQ 99th RRC

Building(s): 2504, 2505, 2506, 2510

Date/Time of Inspection: 5 AUG 19 / 0900

Weather: Rain

2018 SWPPP Status: Regulated Facility
Outfall(s):
Sector: Land Transportation (Sector P)
Tenant/Command:
Facility/Building POC:
Facility/Building Description: Motor Pool
Industrial Activity: Maintenance
Quarter 1 2 3 4

Outdoor Material Storage

- | | | | |
|---|--|---|--|
| <input checked="" type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Vessel Parts | <input type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input type="checkbox"/> Cardboard/Paper |
| <input checked="" type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> Munitions Storage |
| <input type="checkbox"/> White Goods | <input type="checkbox"/> Other: | | |

Comments:

HM/HW/POL Storage

- | | | | |
|---|---|--|--|
| <input checked="" type="checkbox"/> Flammables-Cabinets | <input type="checkbox"/> Flammables-Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – JP-5 |
| <input type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input checked="" type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint/Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Cooking Oil: | <input type="checkbox"/> Other: _____ | |

Comments:

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Potential Pollution Sources:

Pollutant Source	Quantity Stored	Stored Location Description	Material that could potentially pollute stormwater

Discharges occurring at the time of inspection? ☒ Yes ☐ No

Describe: Storm water

Previously unidentified discharges occurring at the time of inspection? ☐ Yes ☒ No

Describe: _____

Assessment of BMPs:

Existing Structural Controls:

Secondary Containment:

Treatment BMP(s):

Sufficient	Insufficient
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Existing Non-Structural Controls:

Good Housekeeping / Minimize Exposure

Preventive Maintenance

Spill Response Equipment (appropriately stocked):

Training

Sufficient	Insufficient
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Failed control measures needing replacement? ☐ Yes ☒ No

If yes, describe: _____

Any additional control measures needed to comply with permitted requirements?

☐ Yes ☒ No

If yes, describe: _____

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

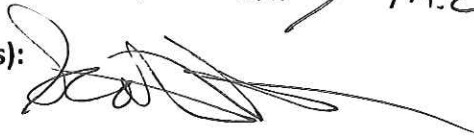
(For Industrial Activities Regulated Under VA0025216)

Recommended BMPs to be maintained: _____

Site is Compliant with SWPPP: ☒ Yes ☐ No

Inspector(s): *Scott Miller / Micah Miller*

Signature(s):



P

Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist

(For Industrial Activities Regulated Under VA0025216)

Facility: Motor Pool

Building(s): 2704, 2707, 2744, 2750

Date/Time of Inspection: 5 AUG 19 / 0950

Weather: Rain

2018 SWPPP Status: Regulated Facility
Outfall(s): 042, 046
Sector: Land Transportation (Sector P)
Tenant/Command:
Facility/Building POC:
Facility/Building Description: US Coast Guard
Industrial Activity: Motor Pool, Washrack
Quarter 1 2 3 4

Outdoor Material Storage

- | | | | |
|---|--|---|--|
| <input checked="" type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Vessel Parts | <input checked="" type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input checked="" type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input type="checkbox"/> Cardboard/Paper |
| <input checked="" type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input checked="" type="checkbox"/> Empty Drums/Tanks | <input type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> Munitions Storage |
| <input type="checkbox"/> White Goods | <input checked="" type="checkbox"/> Other: Roll off Dumpster | | |

Comments:

HM/HW/POL Storage

- | | | | |
|---|---|--|--|
| <input checked="" type="checkbox"/> Flammables-Cabinets | <input type="checkbox"/> Flammables-Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – JP-5 |
| <input type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input checked="" type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint/Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Cooking Oil: | <input type="checkbox"/> Other: _____ | |

Comments:

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Potential Pollution Sources:

Pollutant Source	Quantity Stored	Stored Location Description	Material that could potentially pollute stormwater

Discharges occurring at the time of inspection?

☒ Yes ☐ No

Describe: Storm water

Previously unidentified discharges occurring at the time of inspection?

☐ Yes ☒ No

Describe: _____

Assessment of BMPs:

Existing Structural Controls:

Secondary Containment:

Treatment BMP(s):

Sufficient Insufficient

✓	
✓	

Existing Non-Structural Controls:

Good Housekeeping / Minimize Exposure

Preventive Maintenance

Spill Response Equipment (appropriately stocked):

Training

Sufficient Insufficient

✓	
✓	
✓	
✓	

Failed control measures needing replacement?

☐ Yes ☒ No

If yes, describe: _____

Any additional control measures needed to comply with permitted requirements?

☐ Yes ☒ No

If yes, describe: _____

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Recommended BMPs to be maintained: Contents in rolloffs exposed to
stormwater. They need to be covered.

Site is Compliant with SWPPP: ☒ Yes ☐ No

Inspector(s): Seth Mole / Micah Mole

Signature(s): 

Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist

(For Industrial Activities Regulated Under VA0025216)

Facility: See Below

Building(s) 2743, 2702, 2703, 2701, 27601, 27501, 2734

Date/Time of Inspection: 5 Aug 19 / 8:45

Weather: Rain

2018 SWPPP Status: Regulated Facility
Outfall(s): 042, 046
Sector: Land Transportation (Sector P)
Tenant/Command:
Facility/Building POC:
Facility/Building Description: Heat Plant, Motor Pool, Maintenance Training, Wash Rack
Industrial Activity: Storage, Washing, Maintenance <i>Quartermaster 1234</i>

Outdoor Material Storage

- | | | | |
|---|--|---|---|
| <input checked="" type="checkbox"/> Vehicle Storage | <input type="checkbox"/> Vessel Parts | <input checked="" type="checkbox"/> Misc. Metals | <input type="checkbox"/> Plastic Rubber |
| <input checked="" type="checkbox"/> Wood/Lumber | <input type="checkbox"/> Construction Material | <input checked="" type="checkbox"/> Recycling Container | <input type="checkbox"/> Cardboard/Paper |
| <input checked="" type="checkbox"/> Tire Storage | <input checked="" type="checkbox"/> Garbage Dumpster | <input type="checkbox"/> Empty Drums/Tanks | <input checked="" type="checkbox"/> Aggregate Storage |
| <input type="checkbox"/> Portable Toilet | <input type="checkbox"/> Transformers | <input type="checkbox"/> Fire Suppressant | <input type="checkbox"/> Munitions Storage |
| <input type="checkbox"/> White Goods | <input checked="" type="checkbox"/> Other: <i>Roll off dumpsters</i> | | |

Comments:

HM/HW/POL Storage

- | | | | |
|---|---|--|--|
| <input checked="" type="checkbox"/> Flammables-Cabinets | <input type="checkbox"/> Flammables-Drums | <input type="checkbox"/> POL | <input type="checkbox"/> AST - Gasoline |
| <input type="checkbox"/> Mobile Tank – diesel | <input type="checkbox"/> Compressed Gas | <input checked="" type="checkbox"/> Waste | <input type="checkbox"/> AST – Diesel |
| <input type="checkbox"/> Solvents and Cleaning | <input type="checkbox"/> Corrosives | <input type="checkbox"/> Batteries | <input type="checkbox"/> AST – JP-5 |
| <input checked="" type="checkbox"/> Hazmat Lockers | <input type="checkbox"/> Asbestos Waste | <input type="checkbox"/> Dielectric Fluid | <input checked="" type="checkbox"/> AST – Used Oil |
| <input type="checkbox"/> Misc. Liquid in Drums | <input type="checkbox"/> Ethylene Glycol | <input type="checkbox"/> Paint/Paint Waste | <input type="checkbox"/> AST – Fuel Oil |
| <input type="checkbox"/> Well Cuttings in Drums | <input type="checkbox"/> Cooking Oil: | <input type="checkbox"/> Other: _____ | |

Comments:

**Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist**

(For Industrial Activities Regulated Under VA0025216)

Potential Pollution Sources:

Pollutant Source	Quantity Stored	Stored Location Description	Material that could potentially pollute stormwater

Discharges occurring at the time of inspection?

☒ Yes

☐ No

Describe: Storm water

Previously unidentified discharges occurring at the time of inspection?

☐ Yes

☒ No

Describe: _____

Assessment of BMPs:

Existing Structural Controls:

Secondary Containment:

Treatment BMP(s):

Sufficient

Insufficient

<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	

Existing Non-Structural Controls:

Good Housekeeping / Minimize Exposure

Preventive Maintenance

Spill Response Equipment (appropriately stocked):

Training:

Sufficient

Insufficient

<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	

Failed control measures needing replacement?

☐ Yes

☒ No

If yes, describe: _____

Any additional control measures needed to comply with permitted requirements?

☐ Yes

☒ No

If yes, describe: _____

Joint Base Langley Eustis – Eustis
2019 Regulated Facility Inspection (RFI) Checklist

(For Industrial Activities Regulated Under VA0025216)

Recommended BMPs to be maintained: Roll off's need to be covered. Contents
exposed to stormwater

Site is Compliant with SWPPP: ☒ Yes ☐ No

Inspector(s): Scam mde / m. cah Miller

Signature(s): 