

PICATINNY ARSENAL

Army Cleanup Program

Installation Action Plan

Month Year: December 2025

STATEMENT OF PURPOSE

The Installation Action Plan provides evidence that the Army is firmly committed to expeditious identification and cleanup of environmental contamination, and that the installation has a credible, organized program to carry out that commitment. The IAP provides an outline of the total multi-year environmental cleanup program for each site with ongoing or future planned restoration activity and includes: (1) the environmental restoration requirements, (2) the rationale for the selected technical approach, and (3) the foundation to develop corresponding financial needs for each cleanup site.

SUB INSTALLATIONS INCLUDED IN IAP

No Sub Installations selected for this IAP

ACRONYMS

Acronym	Definition
AA	Army Ammunition Plant
ABG	Agent Breakdown Products
ACM	Asbestos Containing Material
AD	Army Depot
AEDBR	Army Environmental Database -Restoration
AFFF	Aqueous Film-Forming Foam
AMC	Army Materiel Command
AOPI	Area of Potential Interest
AOPC	Area of Potential Concern
AR	Army Regulation
ARARs	Applicable or Relevant and Appropriate Requirements
ARNG	Army National Guard
AS	Air Sparge
ASL	Above Sea Level
AST	Aboveground Storage Tanks
ATSDR	Agency for Toxic Substance and Disease Registry
BGS	Below Ground Surface
BL	Bureau of Land Management
BRAC	Base Realignment and Closure
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes
CACM	Chemical Agent Contaminated Material
CAMU	Corrective Action Management Unit
CAP	Corrective Action Plan
CCO	Compliance-related Cleanup
CDC	Center for Disease Control
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act of 1980
CFR	Code of Federal Regulation
CHC	Chlorinated Hydrocarbon
CHPPM	Center for Health Promotion and Preventive Medicine
CIP	Community Involvement Plan
CLIN	Contract Line-Item Number
CMI	Corrective Measures Implementation
CMI(C)	Corrective Measures Implementation (Construction)
CMI(O)	Corrective Measures Implementation (Operation)
CMO	Corrective Measures Objectives
CMR	Corrective Measures Report
CMS	Corrective Measures Study
COC	Contaminant of Concern
CONUS	Continental United States
COPC	Contaminants of Potential Concern
CS	Confirmatory Sampling
CSM	Conceptual Site Model
CUL	Cleanup Level
CTC	Cost-to-Complete

Acronym	Definition
CWM	Chemical Warfare Material
DCA	Dichloroethane
DCE	Dichloroethylene
DCS	Deputy Chief of Staff
DD	Decision Document
DDD	Dichlorobiphenyl Dichloroethane Dieldrin
DDE	Dichloro Diphenyltrichloro Ethane
DDT	Dichloro-Diphenyl-Trichloroethane
DDESB	DoD Explosive Safety Board
DERA	Defense Environmental Restoration Army
DERP	Defense Environmental Restoration Program
DES	Design
DLA	Defense Logistics Agency
DMM	Discarded Military Munitions
DNAPL	Dense Non-aqueous Phase Liquid
DNT	Dinitrotoluene
DoD	Department of Defense
DoDI	Department of Defense Instruction
DoDM	Department of Defense Manual
DOI	Department of Interior
DPE	Dual Phase Extraction
DPW-ED	Department of Public Works- Environmental Division
DRMO	Defense Reutilization and Marketing Office
DRO	Diesel Range Organics
DSMOA	Defense and State Memorandum of Agreement
EC	Emerging Contaminant
EBS	Environmental Baseline Survey
ECAS	Environmental Compliance Assessment Survey
EJ	Environmental Justice
ELD	Environmental Law Division
ENVR	Environmental Restoration Program
EOD	Explosive Ordnance Disposal
EPA	Environmental Protection Agency
ER,A	Environmental Restoration, Army
ESD	Explanation of Significant Differences
ESM	Environmental Support Managers
ESP	Explosive Site Plan
ESS	Explosive Safety Submission
EVO	Emulsified Vegetable Oil
FFA	Federal Facility Agreement
FMR	Financial Management Regulation
FOSET	Finding of Suitability for Early Transfer
FOSL	Finding of Suitability to Lease
FOST	Finding of Suitability to Transfer
FRA	Final Remedial Actions

Acronym	Definition
FFS	Focused Feasibility Study
FS	Feasibility Study
FUDS	Formerly Used Defense Sites
F&WS	Fish and Wildlife Services
ft	feet
FTA	Fire Training Area
FY	Fiscal Year
FYR/5YR	Five-year Review
GMP	Groundwater Monitoring Plan
GRO	Gasoline Range Organics
GW	Groundwater
HQAES	Headquarters Army Environmental System
HE	High Explosive
HQ	Headquarters
HN	Host Nation
HRS	Hazard Ranking System
HW	Hazardous Waste
IAP	Installation Action Plan
IAW	In Accordance With
IC	Institutional Control
ICM	Interim Corrective Measures
ID	Identification
IM	Interim Measure
IMCOM	Installation Management Command
IMP(C)	Implementation (Construction)
IMP(O)	Implementation (Operation)
INV	Investigation
IR	Information Repository
IRP	Installation Restoration Program
ISC	Initial Site Characterization
ISEB	In Situ Enhanced Bioremediation
JEP	Joint Execution Plan
JP	Jet Propellant
K	Thousand
kg	kilogram
km	kilometer
LEC	Lead Environmental Component
LOQ	Limit of Quantitation
LTM	Long-term Management
LUC	Land Use Control
LUCIP	Land Use Control Implementation Plan
LUST	Leaking Underground Storage Tank
m	meter
m ²	square meter
m ³	cubic meter

Acronym	Definition
mg/kg	milligram per kilogram
MC	Munitions Constituents
MCL	Maximum Contaminant Level
MD	Munitions Debris
MEC	Munitions and Explosives of Concern
MILCON	Military Construction
MFR	Memorandum for Record
MMRP	Military Munitions Response Program
MNA	Monitored Natural Attenuation
MOGAS	Motor Gasoline
MP	Motor Pool
MOA	Memorandum of Agreement
MPPEH	Material Potentially Presenting an Explosive Hazard
MR	Munitions Response
MRA	Munitions Response Area
MRESP	Munitions Response Explosive Site Plan
MRESS	Munitions Response Explosive Safety Submission
MRS	Munitions Response Site
MRSP	Munitions Response Site Prioritization Protocol
N/A	Not Applicable
NCP	National Contingency Plan
NDNODS	Non Department of Defense Owned, Non Operational Defense Sites
NFA	No Further Action
ng/g	nanograms per gram
ng/L	nanograms per liter
NPDES	National Pollutant Discharge Elimination System
NPL	National Priority List
NTCRA	Non-Time Critical Removal Action
ODASA [ESOH]	Office of the Deputy Assistant Secretary of the Army for Environment, Safety and Occupational Health
OB/OD	Open Burn/Open Detonation
ODUSD(I&E)	Office of the Deputy Under Secretary of Defense for Installations and Environment
OCAR	Office of the Chief Army Reserve
OCONUS	Outside Continental United States
OMA	Operations and Maintenance, Army
ORA	Operational Range Assessment
ORO	Oil Range Organics
OU	Operable Unit
P&T	Pump and Treat
PA	Preliminary Assessment
PAH	Polycyclic Aromatic Hydrocarbon
PAL	Preliminary Action Level
PAO	Public Affairs Office
PFAS	Per- and polyfluoroalkyl substances
PBA	Performance Based Acquisition

Acronym	Definition
PCBs	Polychlorinated biphenyls
PCE	Tetrachloroethylene
PFBS	Perfluorobutanesulfonic Acid
PFHpA	Perfluoroheptanoic Acid
PFHxS	Perfluorohexanesulfonic Acid
PFOA	Perfluorooctanoic Acid
PFOS	Perfluorooctane Sulfonate
PFOSA	Perfluorooctane Sulfonamide
PID	Photoionization Detector
PM	Program Management
POC	Point of Contact
POL	Petroleum, Oil and Lubricants
PP	Proposed Plan
PRG	Preliminary Remediation Goal
ppm	parts per million
ppt	parts per trillion
PSV	Preliminary Screening Value
QA	Quality Assurance
QC	Quality Control
RA	Remedial Action
RAB	Restoration Advisory Boards
RA(C)	Remedial Action (Construction)
RACER	Remedial Action Cost Engineering and Requirements
RACR	Remedial Action Completion Report
RAWP	Remedial Action Work Plan
RA(O)	Remedial Action (Operation)
RBC	Risk-Based Concentrations
RC	Response Complete
RCRA	Resource Conservation and Recovery Act
RD	Remedial Design
RFA	RCRA Facility Assessment
RFI	RCRA Facility Investigation
RI	Remedial Investigation
RIP	Remedy in Place
RDX	Cyclotrimethylenetrinitramine
ROD	Record of Decision
RSL	Regional Screening Level
RRSE	Relative Risk Site Evaluation
S&A/S&R	Supervision and Administration/Supervision and Review
SARA	Superfund Amendments and Reauthorization Act
SC	Site Closeout
SI	Site Inspection
SOFA	Status of Forces Agreement
SVOC	Semi-volatile Organic Compound
SWMU	Solid Waste Management Unit

Acronym	Definition
TA	Training Area
TAL	Target Analyte List
TAPP	Technical Assistance for Public Participation
TCE	Trichloroethylene
TMDL	Total Maximum Daily Load
TCRA	Time Critical Removal Action
TPH	Total Petroleum Hydrocarbons
TRC	Technical Review Committee
TSCA	Toxic Substance Control Act
TSD	Treatment, Storage & Disposal
US	United States
USACE	US Army Corps of Engineers
USAEC	US Army Environmental Command
USAEHA	US Army Environmental Hygiene Agency
USAF	US Air Force
USAG	US Army Garrison
USAR	US Army Reserve
USATCES	US Army Technical Center for Explosive Safety
USATHAMA	US Army Toxic and Hazardous Materials Agency
USEPA	US Environmental Protection Agency
USGS	US Geological Survey
UST	Underground Storage Tank
UU/UE	Unlimited Use/Unrestricted Exposure
UXO	Unexploded Ordnance
VOC	Volatile Organic Compound
VSI	Visual Site Inspection
WBS	Work Breakdown Structure
WMM	Waste Military Munitions
WWII	World War II

PHASE TRANSLATION TABLE

CERCLA Phase	RCRA Phase	RCRA UST Phase
Preliminary Assessment (PA)	RCRA Facility Assessment (RFA)	Initial Site Characterization (ISC)
Site Inspection (SI)	Confirmation Sampling (CS)	Investigation (INV)
Remedial Investigation/ Feasibility Study (RI/FS)	RCRA Facility Investigation/Corrective Measures Study (RFI/CMS)	Corrective Action Plan (CAP)
Remedial Design (RD)	Design (DES)	Design (DES)
Interim Remedial Action (IRA)	Interim Measure (IM)	Interim Remedial Action (IRA)
Remedial Action (Construction) (RA(C))	Corrective Measures Implementation (Construction) (CMI(C))	Implementation (Construction) (IMP(C))
Remedial Action (Operation) (RA(O))	Corrective Measures Implementation (Operation) (CMI(O))	Implementation (Operation) (IMP(O))
Long-Term Management (LTM)	Long-Term Management (LTM)	Long-Term Management (LTM)

PICATINNY ARSENAL

Army Cleanup Program

Installation Action Plan

INSTALLATION OVERVIEW

Installation Name: PICATINNY ARSENAL

Regulatory Participation - Federal: USEPA Region II, Federal Facilities Section, US Fish &Wildlife Service for consultation for endangered species

Regulatory Participation - State: NJDEP

Installation Location(s)		
State	County	City
NJ | New Jersey	027 | Morris County	PICATINNY ARSENAL

PROGRAM SUMMARY

Number of Open IR Sites with Response Complete/Total Open IR Sites: 24/71

Number of Open MR Sites with Response Complete/Total Open MR Sites: 0/10

Number of Open CC Sites with Response Complete/Total Open CC Sites: 0/0

SITE LEVEL INFORMATION
PICATINNY ARSENAL
INSTALLATION RESTORATION PROGRAM SITES

34855.1001 - INACTIVE TETRYL WASTE PITS (SIT

CRL ID: 34855.1001

Env Site ID: PICA-001

Alias: 17/18

Regulatory Driver: CERCLA

RIP Date: 05-15-2014

RC Date: 05-15-2014

RC Reason: Study Completed, No Cleanup Required

Site Closeout Date: 09-15-2055

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	01-01-1980	05-15-1981
SI	07-15-1987	06-15-1989
RI/FS	06-15-1996	05-15-2014
RD	#	#
IRA	10-31-2000	03-31-2005
RA(C)	#	#
RA(O)	#	#
LTM	06-15-2014	09-15-2055
SI	07-15-1987	06-15-1989
RI/FS	06-15-1996	05-15-2014
RD	#	#
IRA	10-31-2000	03-31-2005
RA(C)	#	#
RA(O)	#	#
LTM	06-15-2014	09-15-2055

Site Narrative: The Northern 2,4,6-Trinitrophenylmethylnitramine (Tetryl) Pits consisted of four unlined, bermed pits, located at the intersection of 18th Avenue and 13th Street. The two upper northern tetryl pits were located on the north side of 18th Avenue, and the two lower northern tetryl pits were located on the south side of 18th Avenue. Each pit was about 10 feet in diameter, with depths ranging from one to five feet. The pits are believed to have been used from at least 1932 (when the pits were first indicated on engineering drawings) until 1945, for disposal of waste resulting from the processing of tetryl in the nearby 1000 Area buildings. The Southern Tetryl Pit received waste from Building 1052, a nitrating building, and may have operated from 1938 to 1945. The northern and southern tetryl pits are currently inactive. Materials that may have been associated with the tetryl pits included tetryl, acid (possibly nitric acid), and water. Lead may also have been associated with the manufacturing of tetryl, although it is not a constituent of the final product. Remedial investigation (RI) activities were conducted from 1998 to 2000. Soil analysis indicated the presence of explosives (tetryl), metals (lead), and polycyclic aromatic hydrocarbons (PAH) in excess of levels of concern (LOC). Sediment in the on-site ditch, at the northern tetryl pit, contains PAHs above LOCs. An engineering evaluation/cost analysis for the removal of soil co-contaminated with explosives and lead was completed in 2001. Soil contaminated with explosives [about 300 cubic yards (cy)] was treated in a bioreactor to address explosives. A rotted catch basin and 25 cy of soil were removed at the southern tetryl pits as part of a facility-wide sump and catch basin investigation in 2004. Groundwater contains

volatile organic compounds (VOC) trichloroethylene (TCE) above LOCs at both the northern and southern tetryl pits, as well as metals (lead) and explosives [cyclotrimethylenetrinitramine (RDX)] at the northern tetryl pits. The feasibility study (FS) was approved by the US Environmental Protection Agency (USEPA) in August 2009. The proposed plan (PP) was approved by regulators in 2014. The chosen remedy was no further action (NFA) with monitoring of land use. Groundwater contamination associated with the site is addressed under the PICA-204 record of decision (ROD). PICA-001 is in the 25 Site Group. In accordance with the ROD, the site will undergo annual land use monitoring to ensure the land use has not changed since the site does not allow unlimited use/unrestricted exposure (UU/UE). Long-term management (LTM) includes annual inspections and a LTM report. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1002 - LOWER BURNING GROUND (SITE 34)

CRL ID: 34855.1002

Env Site ID: PICA-002

Alias: 34

Regulatory Driver: CERCLA

RIP Date: 12-15-2014

RC Date: 12-15-2014

RC Reason: All Required Cleanup Completed

Site Closeout Date: 09-15-2055

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	01-01-1980	05-15-1981
SI	07-15-1987	06-15-1989
RI/FS	11-15-1990	08-15-2005
RD	04-15-2006	04-15-2014
IRA	#	#
RA(C)	04-15-2006	12-15-2014
RA(O)	#	#
LTM	12-15-2014	09-15-2055

Site Narrative: The Lower Burning Ground encompasses an area of seven acres and contains a landfill, a waste pile area, an open burning area and the burn pan area. The landfill operated from 1960 to 1980 and filled in low-lying ground. Direct burning of explosives-contaminated wastes on the ground surface was conducted in the open burning area until 1985. From 1985 to 2011, explosives-contaminated wastes were burned in nine burning pans. The 1993 RI results showed soil exceedances of base neutral acids, metals, polychlorinated biphenyl (PCB), explosives and dioxins/furans. There were exceedances of metals and VOCs in surface water and metals, pesticides, and cyanide in sediment. Metals were detected above LOC in groundwater. The FS was approved by the regulatory agencies in the fall of 2001. The ROD was signed in 2005 and included provisions that allowed the remedy to be delayed until the new incinerator was operational. The ROD included capping, long-term monitoring, and land use controls (LUC). In May 2011, the burning pans and other equipment were moved to the new burning grounds. Tree-clearing and surface unexploded ordinance (UXO) clearance was completed in spring 2012. A change to the design of the cover was agreed to by Army and regulators. The change was from a modified asphalt technology for containment cover to a hybrid cover. An explanation of significant differences was public noticed and issued in fiscal year (FY)13. The full remedial design (RD) was approved by the regulators in the spring of 2014. The RD also included wetland mitigation of two areas outside the remediation area as the cover was placed over existing wetlands. A groundwater monitoring program was also implemented. The work was completed by September 2013 including the replacement of certain wells and abandonment of others. A remedial action report (RAR) was approved by the regulators in December 2014. Requirements of the RD include groundwater monitoring, land use certifications, wetland mitigation reporting and cap maintenance. Located on the former burning grounds cap is the Picatinny Arsenal solar project with 1782 panels producing 588 kilowatts of direct current. The site is in the LTM phase. Groundwater and LUC monitoring will continue until the site meets criteria for unrestricted land use. Because it is anticipated that hazardous substances, pollutants,

or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, landfill maintenance, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1003 - GUNCOTTON LINE (SITE 16)

CRL ID: 34855.1003

Env Site ID: PICA-006

Alias: 16

Regulatory Driver: CERCLA

RIP Date: 05-15-2014

RC Date: 05-15-2014

RC Reason: Study Completed, No Cleanup Required

Site Closeout Date: 09-15-2055

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-31-1976	05-31-1981
SI	07-31-1987	06-30-1989
RI/FS	04-30-1996	05-15-2014
RD	#	#
IRA	06-01-2000	08-01-2000
RA(C)	#	#
RA(O)	#	#
LTM	06-15-2014	09-15-2055

Site Narrative: The Guncotton Line is located near the southern end of Picatinny Lake and inadvertently received nitrocellulose, referred to as guncotton. The pipeline was formerly used to discharge liquid waste from a trinitrotoluene (TNT) facility in Building 520 to Picatinny Lake. The line included a portion of open trench and a buried pipeline. The pipeline ran from an underground catch basin near Building 554, past Building 506, under the location of a former coal pile, and ended in the vicinity of Building 424-E. During the RI, a geophysical survey was conducted to identify the underground portion of the line. Soil samples were collected from the open trench portion of the undefined portion of the line, under the former coal pile, near Building 506, was identified in spring 2000. Approximately 270 linear feet of a 12-inch pipeline, and 200 linear feet of an eight-inch pipeline, were excavated and removed with nitrocellulose-contaminated soil in order that a sanitary sewer line could be safely installed. Additional sampling in 2001 delineated the horizontal and vertical extent of contamination in the open trench. Metals and explosives contamination was present along the entire length of the open trench and drainage ditch (2,200 feet). An FS was approved by the USEPA in August 2009. The packaging, handling, storage, and transportation facility was built directly on a segment of the open part of the Guncotton Line. The Army proposed and NJDEP and USEPA agreed that the soils from underneath the footprint would be placed under an asphalt cover. In a letter dated Nov. 27, 2012, USEPA approved the NFA with monitoring of land use PP for the 25 Picatinny Arsenal sites. USEPA agreed with the Army position that sites with acceptable risk under the current land use should be considered for the NFA with monitoring of land use, as the existing non-Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) LUCs prevent a different land use. The PP was public noticed in March 2013 and the ROD was signed by the Army and USEPA in May 2014. A certification of land use at the site is required each year, along with an inspection report. PICA-006 is in the 25 Site Group. The LTM phase is open. Because it is anticipated that hazardous substances, pollutants, or contaminants, will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections, and periodic remedy reviews will continue indefinitely.

34855.1005 - INACT. ROCKET FUEL TEST Areas

CRL ID: 34855.1005

Env Site ID: PICA-008

Alias: 2, GROUP 3

Regulatory Driver: CERCLA

RIP Date: 07-15-2011

RC Date: 09-15-2055

RC Reason:

Site Closeout Date: 09-15-2055

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	01-01-1980	05-15-1981
SI	07-15-1987	06-15-1989
RI/FS	02-15-1995	08-15-2010
RD	08-15-2010	12-15-2010
IRA	#	#
RA(C)	12-15-2010	06-15-2011
RA(O)	07-15-2011	09-15-2055
LTM	#	#

Site Narrative: The Inactive Rocket Fuel Test Areas is comprised of 3 areas (sites 1, 2 and 4) and is named Group 3. The site soils were not addressed by the ROD; they will be captured in the 45 Site Group B PP and ROD. In a 1996 RI, VOC groundwater contamination was identified in the two aquifers beneath the site. The extent of the groundwater contamination in the shallow aquifer was defined in 1998; the contaminants of concern (COC) are carbon tetrachloride and tetrachloroethylene (PCE). The site contained a former dumping area behind Building 3576, a former underground storage tank (UST), a passivation house which used solvents to clean rocket component. Additional groundwater investigation and a monitored natural attenuation (MNA) evaluation was completed in 2002. The surface water COCs are ammonia and metals. The ROD was approved on Aug. 2, 2010. The approved remedy consists of in situ enhanced bioremediation, MNA, long-term groundwater monitoring and LUCs. The remedial action (operation) (RA(O)) phase began in FY11. Per the ROD, RA(O) will be maintained until such time as contaminant levels are sufficiently reduced to allow beneficial use. The 2021 Annual Monitoring report recommendations for future changes to the monitoring program will be made in subsequent annual reports. The frequency and extent of the MNA program are reduced based on demonstration of MNA and the reduction of groundwater concentrations over time, utilizing a statistical approach to trend analysis. When the concentrations of COCs fall below the screening levels, groundwater monitoring will be continued for an additional 1 to 3 years to ensure the reduced concentration is not the result of seasonal fluctuation. The RA(O) phase is underway per the ROD. The site will also be evaluated in the five-year reviews. It is anticipated that groundwater will reach UU/UE at the end of RA(O).

34855.1007 - BLDG 60 SATELITE WSTE ACCOM ARE

CRL ID: 34855.1007

Env Site ID: PICA-011

Alias: 122

Regulatory Driver: CERCLA

RIP Date: 02-15-2029

RC Date: 02-15-2029

RC Reason:

Site Closeout Date: 02-15-2058

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-15-1987	06-15-1989
SI	10-15-1989	03-15-1991
RI/FS	09-15-1993	08-15-2028
RD	#	#
IRA	06-15-1999	08-15-2000
RA(C)	08-15-2028	02-15-2029
RA(O)	#	#
LTM	02-15-2029	02-15-2058

Site Narrative: This site is in the 45 Site Group B. In 1942, the area in and around Building 60 was used for testing and included conducting ballistic air gun launch testing, drop testing, solar radiation testing, mechanical stress, shock, vibration, and jolt testing, and static load testing. The various testing equipment and machines at this location used lubricating, hydraulic, and heating oils. In 1999 a RI was completed which showed PAHs and PCBs as COCs in soils and sediment. In 1999, an engineering evaluation/cost analysis and an interim remedial action (IRA) was performed for PCBs. A total of 387 cy of PCB contaminated soil and sediment was removed from the site. The site was included in a multiple site FS that was approved by the USEPA in July 2014. A PP was submitted to the regulators in January 2018 which recommended NFA with monitoring of land use. The Army is still waiting for USEPA comments on the PP. The Army will finalize and public notice the PP, and the NFA with monitoring of land use ROD (LUCs) will be signed. After the ROD is completed, the Army will conduct the required annual LTM inspections and develop the certification report required by the NFA with monitoring of land use ROD. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1009 - OPTS PROTO PROC FAC SITE BLDG 9

CRL ID: 34855.1009

Env Site ID: PICA-013

Alias: 78

Regulatory Driver: CERCLA

RIP Date: 06-15-2011

RC Date: 05-15-2032

RC Reason:

Site Closeout Date: 05-15-2032

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-31-1976	05-31-1981
SI	07-31-1987	06-30-1989
RI/FS	06-30-1996	03-15-2011
RD	03-15-2011	04-15-2011
IRA	#	#
RA(C)	05-15-2011	05-15-2011
RA(O)	06-15-2011	05-15-2032
LTM	#	#

Site Narrative: RI Concept Site 78 or PICA-013 is located near Building 91 at the intersection of Fourth Avenue and South Sixth Street. The building was built in 1942 as a storehouse and supply building. An optics laboratory was constructed in the north. Three groundwater monitoring wells were installed as part of a tank closure in 1999 on the eastern side of the building. In 2003 a RI was completed that showed VOC contaminated groundwater. A pilot study (sodium lactate injection) was completed in 2005 for removal of the VOCs in groundwater. The soils portion of this site will be addressed under a separate ROD. The groundwater MNA ROD was signed by the Army in March 2011. The ROD estimated a cleanup goal of 13 years. However, The RD was approved in April 2011. MNA monitoring is ongoing. Based on historical data trends, concentrations trends within wells located in or near the plume center of mass indicates that the degradation half-lives are consistent with those predicted within the RD. Only one well indicates TCE concentration in exceedance of remedial goals. The site is currently in the RA(O) phase. The 2021 annual monitoring report recommended that Site 78 remain on the sixth quarter sampling schedule. The Army will continue the groundwater monitoring at the site and provide annual reports until the site meets UU/UE for groundwater.

34855.1010 - LAKE DENMARK (SITE 54)

CRL ID: 34855.1010

Env Site ID: PICA-015

Alias: 54

Regulatory Driver: CERCLA

RIP Date: 11-15-2018

RC Date: 11-15-2018

RC Reason: Study Completed, No Cleanup Required

Site Closeout Date: 08-15-2055

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-31-1976	05-31-1981
SI	07-31-1987	06-30-1989
RI/FS	06-30-1996	11-15-2018
RD	#	#
IRA	#	#
RA(C)	#	#
RA(O)	#	#
LTM	11-15-2018	08-15-2055

Site Narrative: Lake Denmark, an artificial lake located in the northeastern portion of Picatinny Arsenal, has a surface area of approximately 174 acres and an average depth of six to seven feet. Lake Denmark has a long history as a repository of munitions and their associated wastes used as an impact area for experimental mortar rounds and other explosive or pyrotechnic munitions. The lake is not used for disposal purposes anymore. The lake is used exclusively for recreational purposes. RIs completed in 1999 showed COCs of VOCs, semi-volatile organic compounds (SVOC), and metals in sediment. The FS was approved in 2015 and the PP was approved in 2017. The NFA with monitoring of land use ROD was signed in 2018. The Army will initiate and continue the required annual LTM inspections and develop the certification report as required by the ROD until the site meets unrestricted use. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1012 - PYROTECHNIC DEMO AREA (SITE 19)

CRL ID: 34855.1012

Env Site ID: PICA-020

Alias: 19

Regulatory Driver: CERCLA

RIP Date: 12-14-2008

RC Date: 12-14-2008

RC Reason: All Required Cleanup Completed

Site Closeout Date: 09-15-2055

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	01-01-1980	05-15-1981
SI	07-15-1987	06-15-1989
RI/FS	09-15-1993	10-15-2008
RD	04-15-2006	11-15-2008
IRA	#	#
RA(C)	04-15-2006	12-14-2008
RA(O)	#	#
LTM	12-15-2008	09-15-2055

Site Narrative: PICA-020 (Site 19) is a consolidated site under the Group of 13. The site covers 5.5 acres and is located south of the Shinkle Road and South Brook Road intersection. Two buildings are located on Site 19, Buildings 1180 and 1186. The area between the buildings was used for testing tanks and other armored vehicles in the past. Building 1180 is a 50-foot-high steel tower constructed in 1948. The tower has been used for various tests, including track technology testing for an M60 Full Tracked Combat Tank and for the candle power determination of M26 flares. Building 1186 was constructed in 1966 and used as a pyrotechnic view stand. Since 1980, it has been used to store miscellaneous non-hazardous items. During the 1993 RI phase, the site was temporarily used for storage of drums containing investigation-derived wastes such as drill cuttings and personal protective equipment. At the time, the site also contained a decontamination pad for drill rigs. During the RI Phase, beryllium and arsenic in soils were found to be the COCs. The NFA with monitoring of land use ROD was signed in 2008. Certification reports have been submitted annually since 2009. The site is in the LTM phase. The Army will continue the required annual land use inspections and develop the certification report as required by the ROD. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1014 - POWER PLNT/HAZ WST TNKS/PROPELL

CRL ID: 34855.1014

Env Site ID: PICA-022

Alias: 50

Regulatory Driver: CERCLA

RIP Date: 05-15-2014

RC Date: 05-15-2014

RC Reason: Study Completed, No Cleanup Required

Site Closeout Date: 09-15-2055

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-31-1976	05-31-1981
SI	07-31-1987	06-30-1989
RI/FS	02-28-1995	05-15-2014
RD	#	#
IRA	#	#
RA(C)	#	#
RA(O)	#	#
LTM	06-15-2014	09-15-2055

Site Narrative: The site consists of former Building 519, a still house for storage of ether and alcohol, and Building 519-A, which formerly housed an inactive 3,800-gallon aboveground storage tank that was used to store spent alcohol. Building 519 and associated buildings were a single-base propellant manufacturing area. Operations at Building 519 also included the manufacture of ether. Building 519 was deactivated in 1975. Both buildings were subsequently demolished in 1995. The COCs include PAHs and VOCs in soil. The ROD was signed in May 2014 and the remedy is NFA with monitoring of land use. The Army will continue the required annual land use inspections and develop the certification report as required by the ROD. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1019 - FORMER REACT MTRS/RCKT FUEL TST

CRL ID: 34855.1019

Env Site ID: PICA-050

Alias: SITE 3

Regulatory Driver: CERCLA

RIP Date: 02-15-2029

RC Date: 02-15-2029

RC Reason:

Site Closeout Date: 02-15-2058

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-31-1976	05-31-1981
SI	07-31-1987	06-30-1989
RI/FS	02-28-1995	08-15-2028
RD	#	#
IRA	02-15-2001	03-15-2002
RA(C)	08-15-2028	02-15-2029
RA(O)	#	#
LTM	02-16-2029	02-15-2058

Site Narrative: This 20-acre site consists of the 1500 series buildings. From the early-1950s up until 1958, liquid fuel missiles were tested in the eastern pyrotechnics area. Starting in 1958, mixing, pressing, and filling of various pyrotechnic compounds into flares, fuses, and primers was performed. The area was used from the late-1940s to 1960 for the large-scale storage, production, conditioning, loading, and testing of pyrotechnics, explosives, and solid rocket propellants from 1947 through the early-1960s. A suspected dry well and associated lead-contaminated soil were removed in 2003 and 2004. The RI completed in 2014 indicated the COCs to include RDX, aluminum, iron and radium-266 in groundwater and the FS was approved by USEPA in July 2014. This site is in the 45 Site Group B. The Army will finalize and public notice the PP. NFA with monitoring of land use is the expected remedy to be listed in the ROD. After the ROD is completed, the Army will conduct the required annual land use inspections and develop the certification report as required by the ROD. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1025 - PICATINNY LAKE (SITE 53)

CRL ID: 34855.1025

Env Site ID: PICA-057

Alias: PICA-057

Regulatory Driver: CERCLA

RIP Date: 09-30-2029

RC Date: 09-30-2029

RC Reason:

Site Closeout Date: 06-15-2058

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-31-1976	05-31-1981
SI	07-31-1987	06-30-1989
RI/FS	02-28-1995	09-29-2025
RD	09-29-2025	05-15-2027
IRA	#	#
RA(C)	05-15-2027	09-30-2029
RA(O)	#	#
LTM	09-30-2029	06-15-2058

Site Narrative: Picatinny Lake, located at the geographic center of Picatinny Arsenal, was formed in the 1880s by damming Green Pond Brook. Picatinny Lake is approximately 118 acres and approximately 5,200 feet long by 1,000 feet wide. Operations around PICA-057 include explosive manufacturing, loading and storage, shell washout, and research and development. Reportedly, Picatinny Lake may have been used as an impact area for experimental mortar rounds and other explosives or pyrotechnic munitions; underwater storage for smokeless powder, standard ammunition boxes, and explosives; and as a disposal location. The RI conducted in 1996 and 2000 (approved in 2000) shows the COCs as RDX and TNT in sediments and surface water. The final FS was approved by the regulators in December 2016. The Army's chosen remedy is sediment capping and LUCs. The PP was approved in 2021. The Army will work to finalize the ROD. An RD will be prepared followed by the remedial action which is anticipated to be capping and LUCs. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, cap maintenance, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1026 - 600 HILL GROUNDWATER PLUME

CRL ID: 34855.1026

Env Site ID: PICA-058

Alias: 12

Regulatory Driver: CERCLA

RIP Date: 09-30-2026

RC Date: 09-30-2055

RC Reason:

Site Closeout Date: 09-30-2055

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-31-1976	05-31-1981
SI	07-31-1987	06-30-1989
RI/FS	06-30-1996	07-30-2020
RD	08-15-2020	05-30-2023
IRA	#	#
RA(C)	06-01-2023	09-29-2026
RA(O)	09-30-2026	09-30-2055
LTM	#	#

Site Narrative: This site is defined as the contaminated groundwater beneath and adjacent to PICA-058. The site is located in the northwestern portion of Picatinny Arsenal, near former Building 656. The site was operated for evaluating munitions from approximately 1955 until the mid-1980s. Historical practices consisted of testing munitions. In the early-1990s, the sampling of a production well nearby indicated contamination with TCE. An RI revealed high concentrations of TCE (170 parts per billion) beneath PICA-058. An FS was approved by the USEPA in March 2010 and the PP was submitted in spring 2010. However, USEPA requested an investigation to determine if a burial area represents a continuing source of groundwater contamination, and a vapor intrusion investigation for Building 660. The results of the trenching did reveal a burial area that contained not only munitions and explosives of concern (MEC) and MEC-related items, but drums labeled TCE and soils that were contaminated with parts per million (ppm) levels of TCE. This was determined to be the source area for the TCE plume. MEC CoCs are addressed under PICA-013-R-01. A revised FS for the combined Military Munitions Response Program (MMRP) Site and Installation Restoration Program (IRP) site was approved in 2017. The PP was approved in 2018 and the ROD was approved by the regulators on Oct. 31, 2019. The site remedy includes TCE source removal, pit removal, MNA of the groundwater and LUCs. RA(C) is underway. The RA(O) phase will continue until the remedial action objectives are met. Soil removal was completed in 2024. Contaminated soils were shipped off-site for disposal. LUCs are in place for the MRS aspect of the site due to potential UXO concerns and TCE in groundwater. Groundwater monitoring, LUCs, annual inspections, and periodic remedy reviews will continue indefinitely.

34855.1032 - POST FARM LANDFILL (SITE 23)

CRL ID: 34855.1032

Env Site ID: PICA-065

Alias: PICA-065

Regulatory Driver: CERCLA

RIP Date: 08-31-2007

RC Date: 08-31-2007

RC Reason: All Required Cleanup Completed

Site Closeout Date: 09-15-2055

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-31-1976	05-31-1981
SI	07-31-1987	06-30-1989
RI/FS	05-31-1991	05-31-2005
RD	06-30-2005	10-31-2006
IRA	12-31-1991	01-31-1993
RA(C)	04-30-2006	08-31-2007
RA(O)	#	#
LTM	09-15-2007	09-15-2055

Site Narrative: The Post Farm Landfill consists of 10.3 acres located along the top of the unnamed hill that forms the southeastern boundary of Picatinny Arsenal. It contains a borrow pit near the central portion of the site, and two landfilled areas where drums and other materials were buried. In the 1960s, landfilling activities began in the southern and northern area of the site. These areas are referred to as the northern Drum Burial Area and southern Drum Burial Area. The Drum Burial Areas reportedly received fly ash from coal burning operations, paint stripping wastes, phenols, and spent explosive-laden hydraulic oils in containers or as free liquid. In 1992, a non-time-critical removal action (NTCRA) was performed to remove buried containers at the site. During the removal action, small containers, garbage cans, batteries, and drums were removed and disposed of off-site. Post-excavation sampling and exploratory trench sampling were also completed as part of the action. The last phase of the action included placing at least six to 18 inches of native soil over the former burial areas. An RI was completed in 1994 with additional sampling in 1996 and 1997. The COCs are VOCs, metals, radiological parameters and SVOCs in soil. The FS was approved in 2000. A PP was finalized in December 2003. The ROD was approved in December 2004. The remedy included groundwater monitoring and LUCs. The USEPA and the NJDEP approved the RD in December 2006. Surface soil sampling conducted in May 2007 confirmed that the existing vegetative cover is sufficient. The initial quarterly groundwater monitoring has been downgraded to annual sampling per the approved exit strategy in the RD. Annual reports and certification continue. The site is in LTM with only one well requiring sampling. Groundwater annual reports and LUCs certification are submitted annually. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, cap maintenance, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1033 - SANITARY LANDFILL(NEAR SITE 20)

CRL ID: 34855.1033

Env Site ID: PICA-066

Alias: PICA-066

Regulatory Driver: CERCLA

RIP Date: 09-15-2003

RC Date: 09-15-2003

RC Reason: All Required Cleanup Completed

Site Closeout Date: 09-16-2055

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-31-1976	05-31-1981
SI	07-31-1987	06-30-1989
RI/FS	09-30-1993	06-30-2002
RD	07-15-2003	08-15-2003
IRA	#	#
RA(C)	08-15-2003	09-15-2003
RA(O)	#	#
LTM	09-16-2003	09-16-2055

Site Narrative: PICA-066 contains sites 20 and 24. Site 24 occupies approximately 28 acres adjacent to the southern boundary in the southwestern corner of the arsenal. Records indicated that sanitary waste, fly ash, ordnance, industrial wastes, and wastewater treatment plant sludge were dumped on a portion of the site. Site groundwater is being addressed under Area B Groundwater (PICA-205). A 1994 RI showed the COCs were PCBs, lead and dichlorodiphenyltrichloroethane in soil and groundwater. Additional RI activity was completed in 1997 to delineate PCB contamination in surface soil. In 2000, an FS was conducted. The PP was completed in 2001 and the ROD was signed in 2002. The remedy included excavation and off-site disposal of soils containing PCBs at concentrations over 297 milligram/kilogram. The vegetated soil cover was completed in 2003. The wetlands that were destroyed by the capping were replaced with an enhanced wet land project. The site is in the LTM phase. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, cap maintenance, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1034 - SANITARY LANDFILL(NEAR SITE 26

CRL ID: 34855.1034

Env Site ID: PICA-067

Alias: PICA-067

Regulatory Driver: CERCLA

RIP Date: 09-30-2007

RC Date: 09-30-2007

RC Reason: All Required Cleanup Completed

Site Closeout Date: 09-30-2055

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-31-1976	05-31-1981
SI	07-31-1987	06-30-1989
RI/FS	09-30-1993	08-31-2007
RD	04-30-2006	08-31-2007
IRA	#	#
RA(C)	04-30-2006	09-30-2007
RA(O)	#	#
LTM	09-30-2007	09-30-2055

Site Narrative: The Landfill and Dredge Pile is composed of sites 25 and 26. PICA-067 is approximately eight acres in size and is located within the central valley of Picatinny Arsenal. The site includes the southern borrow area, a two-acre grass-covered area formerly used for landfilling and the dredge pile, a 2,000 square foot area in the center of the site and about 15 to 20 feet high. A variety of wastes were disposed of at the site from the 1940s through the 1970s including rubbish, industrial wastes, munition shells, and sewage treatment plant sludge. The landfill was closed and covered in 1972. An RI was completed in 1994 and COCs in surface soil include copper, lead, PAHs, and PCBs. The PP was completed in 2004 and the ROD was signed in 2007. LUCs were implemented and five-year reviews are ongoing. The site remedy was a soil cover, and it was constructed in 2007. The site is in the LTM phase. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, cap maintenance, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1038 - DRUM STRG AREA(B31 YARD) SITE 2

CRL ID: 34855.1038

Env Site ID: PICA-071

Alias: PICA-071

Regulatory Driver: CERCLA

RIP Date: 02-15-2029

RC Date: 02-15-2029

RC Reason:

Site Closeout Date: 02-15-2058

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-31-1976	05-31-1981
SI	07-31-1987	06-30-1989
RI/FS	09-30-1993	08-15-2028
RD	#	#
IRA	#	#
RA(C)	08-15-2028	02-15-2029
RA(O)	#	#
LTM	02-15-2029	02-15-2058

Site Narrative: PICA-071 is in the 45 Site Group B. PICA-071 (Site 29) is a former drum storage area located in an outside courtyard between wings one and two near the northwest corner of Building 31. Building 31 activities included manually transferring oil into drums and metal shavings covered in oil were stored in a dumpster in the parking lot. An oil sump was located along Building 29 which connected to a storm drain that discharged into Bear Swamp Brook. Under Resource Conservation and Recovery Act (RCRA) closure activities in FY04, all tanks associated with this site were removed, as was approximately 500 tons of petroleum contaminated soil (six to 10 feet below ground surface) located off the northwest corner of Building 31. The RI was completed in 2005, which showed COCs of PAHs in surface soil, and PAHs, cadmium, copper, chromium, chrysene, mercury, and lead in sediment. The final 48 Site feasibility study for PICA-008, 011, 013, 050, 071, 075, 091, 107, 108, 122, 134, 135, 136, 162, 175, 200, and 209 was completed in 2014. A PP is under regulatory review. The site is in the RI/FS phase. The PP and ROD will be completed. The assumed remedy is NFA with monitoring of land use. After the ROD is signed, the Army will initiate the required annual land use inspections and certification reports. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, cap maintenance, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1039 - FORMER GAS STATION/ DRMO(SITE 3

CRL ID: 34855.1039

Env Site ID: PICA-072

Alias: PICA-072

Regulatory Driver: CERCLA

RIP Date: 10-31-2009

RC Date: 10-31-2009

RC Reason: All Required Cleanup Completed

Site Closeout Date: 09-15-2055

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-31-1976	05-31-1981
SI	07-31-1987	06-30-1989
RI/FS	09-30-1993	07-31-2009
RD	07-31-2009	09-30-2009
IRA	04-30-1993	05-31-1993
RA(C)	09-30-2009	10-31-2009
RA(O)	#	#
LTM	11-15-2009	09-15-2055

Site Narrative: PICA-072 contains sites 31 and 101. This site is located on six acres of land along Eleventh Avenue, south of the intersection of Sixth Street and Reilly Road. The site had been used as a storage yard for disposal, salvage, and sale of excess materials. A variety of items including materials used in the manufacturing and testing of explosives, pyrotechnics, and munitions, potential PCB-containing transformers, scrap metal, used batteries, and motor vehicles were stored at this site. The RI was completed in 2000, six areas of concern (AOC) were found based on exceedance levels of metals, PCBs, and PAHs, which are the site COCs. The PP was final in October 2007 and the ROD was signed in June 2009. The remedy was excavation and off-site disposal of lead and PCB contaminated soil, on-site consolidation of PAH, arsenic, PCB, and metal contaminated soil, installation of an asphalt cap, a soil cover, and implementation of LUCs. The remedy was implemented in 2009. Simultaneously, a time-critical removal action (TCRA) of improved conventional munitions was completed on a portion of this site under the associated MMRP site. Site groundwater is addressed under the Mid-Valley (PICA-204) ROD. Certification reports are submitted annually, and the site is in the LTM phase. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, cap maintenance, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1042 - EQPMT & WASTE STORAGE IN 3000-A

CRL ID: 34855.1042

Env Site ID: PICA-075

Alias: SITE 36

Regulatory Driver: CERCLA

RIP Date: 02-15-2031

RC Date: 02-15-2031

RC Reason:

Site Closeout Date: 08-16-2060

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-31-1976	05-31-1981
SI	07-31-1987	06-30-1989
RI/FS	06-30-1996	08-15-2030
RD	#	#
IRA	#	#
RA(C)	08-15-2030	02-15-2031
RA(O)	#	#
LTM	02-16-2031	08-16-2060

Site Narrative: PICA-075 is in the 45 Site Group D. Building 3100 was constructed as a storage facility in 1942 and used until the early-1950s for explosives storage and was serviced by a rail line on the west side of the building. From the early-1950s until 1975, the building was utilized as an environmental test building. Materials tested in the lab included fully loaded rocket components and ordnance items, such as solid propellant boosters and sustainers, prepackaged liquid rocket engines, and gas generators. However, no exposed explosives were tested. Use of the building, as a waste storage facility, began in 1981 under interim status until March 1991, when Picatinny Arsenal was granted a hazardous waste facility permit. In A 1996 preliminary assessment (PA) /site inspection (SI) detected beryllium at a concentration equal to the LOC in soil. RI activities were concluded in 2001 and showed COCs of PAHs, manganese, and arsenic in soil, as well as methylene chloride in groundwater. The final 48 Site FS was approved by USEPA in July 2014 although NJDEP did not concur. The site is in the RI/FS phase. The Army will finalize and public notice the PP and the ROD. The remedy is expected to be NFA with monitoring of land use. After the ROD, the Army will conduct the required annual inspections and develop the certification reports under the LTM phase. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, cap maintenance, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1043 - FORM METL PLATG WSTWTR FAC/LAGO

CRL ID: 34855.1043

Env Site ID: PICA-076

Alias: PICA-076

Regulatory Driver: CERCLA

RIP Date: 09-15-2007

RC Date: 09-15-2055

RC Reason:

Site Closeout Date: 09-15-2055

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-31-1976	05-31-1981
SI	04-30-1985	03-31-1990
RI/FS	05-31-1991	09-30-2004
RD	10-31-2004	12-31-2006
IRA	09-30-1992	09-30-2006
RA(C)	04-15-2006	09-15-2007
RA(O)	09-15-2007	09-15-2055
LTM	#	#

Site Narrative: PICA-076 contains sites 21 and 37 and is called Area D. The site consists of the chlorinated volatile organic compound contaminated groundwater from a former wastewater treatment facility and lagoons associated with the metal plating activities formerly housed in Building 24. Final closure of the Building 24 surface lagoons occurred in 1991 including demolition of the concrete basins and excavation of additional soils which was done under the Picatinny Arsenal building demolition funds. The action removed 660 cy of soil and 240 cy of concrete. A dry well which never had interim status was constructed in 1961 and was closed in 1991 in accordance with New Jersey hazardous waste regulations. In 1992, an IRA for the contaminated groundwater was initiated and included a hydraulic barrier pump-and-treat system to impede the flow of TCE to Green Pond Brook. The plant operated from 1992 to 2007. The RI was completed in 1994 and solvents in groundwater were the COCs and media of concern. The FS and PP were finalized in May 2003 and the ROD was signed in 2004. The remedy in the ROD was installation of a permeable reactive barrier wall and LUCs. The RD was final in January 2007. The reactive barrier was installed in spring 2007. The interim action pump-and- treat system was shut down in 2007 and dismantled in 2010. The RA(O) phase is ongoing and annual reports are submitted each year. In response to five-year recommendations, a pilot study was implemented to enhance MNA and to reduce remedial timeframe. Based on pilot study results, an ESD is being developed to add bioremediation as a remedy enhancement. The LUCs, maintenance of permeable reactive barrier, and the required monitoring will continue in accordance with the approved RD. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, cap maintenance, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1044 - Area E Groundwater (Site 38)

CRL ID: 34855.1044

Env Site ID: PICA-077

Alias: PICA-077

Regulatory Driver: CERCLA

RIP Date: 10-15-2008

RC Date: 09-15-2055

RC Reason:

Site Closeout Date: 09-15-2055

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-31-1976	05-31-1981
SI	04-30-1985	05-31-1990
RI/FS	05-31-1991	09-30-2007
RD	04-30-2006	09-30-2007
IRA	#	#
RA(C)	04-30-2006	09-30-2008
RA(O)	10-15-2008	09-15-2055
LTM	#	#

Site Narrative: PICA-077 includes both RI Concept Sites 38 and 22. The site is named Area E. The site consists of chlorinated VOC-contaminated groundwater from the former underground treatment tanks at Building 95. Solvents in groundwater are the COCs and affected media. PICA-077 covers all environmental media at this site. Building 95 served as a circuit board etching operation from 1961 to 1988. Manufacturing at Building 95 consisted of electroplating operations. The wastewater was discharged into the treatment system where it was stored and treated in nine USTs. The USTs were filled with concrete as part of RCRA closure activity in 1991. The RI was completed in 1998, the FS in 1992, and the PP in 2004. The ROD was signed in September 2007. MNA and LUCs were the selected remedies for the site. The RD MNA model estimated it would take 45 years for the groundwater cleanup to be complete. The site is in the RA(O) phase. The LUCs and MNA remedy will continue in accordance with the approved RD plan. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, cap maintenance, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1046 - ORDNANCE/EXPLOSIVE BLDGS 800 AR

CRL ID: 34855.1046

Env Site ID: PICA-079

Alias: PICA-079

Regulatory Driver: CERCLA

RIP Date: 10-01-2010

RC Date: 04-30-2055

RC Reason:

Site Closeout Date: 04-30-2055

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-31-1976	05-31-1981
SI	07-31-1987	06-30-1989
RI/FS	02-28-1995	09-30-2010
RD	04-30-2006	09-30-2010
IRA	#	#
RA(C)	04-30-2006	10-01-2010
RA(O)	04-30-2006	04-30-2055
LTM	#	#

Site Narrative: PICA-079 contains sites 40 93 156 and 157 and the group name is Group 1. This site consists of the areas around Building 809 and Building 810. Building 809 was constructed in 1944 and included the former steam cleaning of off-specification projectiles. Explosives-contaminated wastewater from shell washout operations was discharged to a former nearby leaching pool. The 2002 Group 1 RI defined the extent of explosives compounds in groundwater. The site COCs are explosives, and the media of concern are soil sediment and groundwater. The Group 1 FS was completed in late-2004 and addressed explosives compounds in all contaminated media at the site. The ROD and the RD were both finalized in 2010. The selected remedy consisted of the excavation and off-site disposal of explosive-contaminated soil bioremediation of groundwater and LUCs. A remedial action completion report was submitted in spring 2011 documenting the implementation of the remedy. The annual reports with the results of the monitoring required by the RD continue to be submitted and approved. Reports are submitted annually. The site is in the RA(O) phase. Monitoring and annual reports will continue to be submitted and assessed. Because it is anticipated that hazardous substances pollutants or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE cap maintenance annual inspections and periodic remedy reviews will continue indefinitely.

34855.1052 - BLDS IN 500-AREA

CRL ID: 34855.1052

Env Site ID: PICA-085

Alias: SITE 46

Regulatory Driver: CERCLA

RIP Date: 06-14-2014

RC Date: 06-15-2014

RC Reason: All Required Cleanup Completed

Site Closeout Date: 09-15-2055

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-31-1976	05-31-1981
SI	07-31-1987	06-30-1989
RI/FS	02-28-1995	05-15-2014
RD	#	#
IRA	#	#
RA(C)	05-15-2014	06-14-2014
RA(O)	#	#
LTM	06-15-2014	09-15-2055

Site Narrative: PICA-085 is in the 25 Sites Group. PICA-085 is a consolidated site that includes the following 9 sites- 46, 32, 33, 97, 105, 147, 148, 150 and 184. PICA-085 consisted of Building 507 which was constructed in 1929 for use as a train engine maintenance facility. From 1987 to the present, the building has been used as a garage facility for utility line maintenance vehicles. Waste materials, such as waste oil and spent cleaning solvents, were reportedly stored in 55-gallon drums in a shed adjacent to the eastern side of the building. A RI was completed from 1994 through 2003. The FS was approved by the USEPA in August 2009. The PP went final in March 2013 and the ROD was approved in May 2014. The remedy for all sites included in PICA-085 is NFA with monitoring of land use. Per the ROD, annual land use certification reports are completed. The site is in the LTM phase. Land use certification reports are submitted annually. The site will also be evaluated in the five-year reviews. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1057 - BLDGS IN 200-AREA

CRL ID: 34855.1057

Env Site ID: PICA-091

Alias: PICA-091

Regulatory Driver: CERCLA

RIP Date: 02-15-2031

RC Date: 02-15-2031

RC Reason:

Site Closeout Date: 02-15-2060

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-31-1976	05-31-1981
SI	07-31-1987	06-30-1989
RI/FS	02-28-1995	08-15-2030
RD	#	#
IRA	#	#
RA(C)	08-15-2030	02-15-2031
RA(O)	#	#
LTM	02-15-2031	02-15-2060

Site Narrative: PICA-091 represents 10 locations in the Area H portion of the Arsenal which is located to the northwest of Downtown Picatinny Arsenal within the Robinson enclosure. This site is included in 45 Site Group D. This area was used from about 1918 to the mid-1970s for explosive manufacturing. Operations in these 10 sites included the following- explosives production, testing and storage; machining and light assembly of prototype explosives and propellant units; fuze assembly, mine assembly; munitions packout; demilling and disassembly of explosive projectiles; black powder storage; and explosive melt and pour operations. Most liquid wastes from this area were discharged to the ground or to Bear Swamp Brook. The NJDEP required that the after the completion of RCRA activities that further action was required. The 1996 RI revealed soil concentrations of SVOCs, PCBs, and arsenic exceeded LOCs. Additional RI sampling completed in 2000 delineated the extent of PCBs in soil. Groundwater at PICA-091 is addressed through the Mid-Valley groundwater ROD (PICA-204). The Army submitted a 48 Site FS, which includes the 10 PICA-091 sites, in the summer of 2014. The FS was approved by USEPA in July 2014. The draft PP is undergoing regulatory review. The Army will finalize and public notice the PP, and an NFA with monitoring of land use ROD will be signed. The Army will initiate the required annual inspection and develop the certification report as part of the long-term management required by a NFA with monitoring of land use ROD. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1059 - WASTE BURIAL AREA NEAR SITES 19

CRL ID: 34855.1059

Env Site ID: PICA-093

Alias: PICA-093

Regulatory Driver: CERCLA

RIP Date: 10-01-2007

RC Date: 10-01-2007

RC Reason: All Required Cleanup Completed

Site Closeout Date: 09-30-2055

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-31-1976	05-31-1981
SI	07-31-1987	06-30-1989
RI/FS	09-30-1993	08-31-2007
RD	04-30-2006	09-30-2007
IRA	#	#
RA(C)	04-30-2006	10-01-2007
RA(O)	#	#
LTM	10-02-2007	09-30-2055

Site Narrative: The waste burial area is situated in a low marshy area formerly containing several debris piles of drums, concrete rubble, scrap, metal, lumber, railroad ties, and trees. Landfilling operations have taken place in this portion of Area C over the years. Groundwater contamination is covered under the Area C ROD. This group name is Waste Burial Area. Materials were disposed of in large burial pits and in surface piles. The years of operation are unknown although the disposal activities are believed to have taken place in the 1960s and 1970s. During the RI phase (mid-1990s), a trenching investigation under RCRA removed some debris piles and asbestos found at the site and restored native vegetation to the area. Impacts to groundwater are covered under an area-wide action addressed in Area C Groundwater (PICA-206). COCs in soil include PAHs, PCBs, dieldrin, and metals. A ROD was approved in September 2007. An RD was approved in October 2007. LUCs were the only requirement and were implemented. Certifications have been submitted annually. Parts of the original site is overlapped by the cap installed on PICA-002T. The site is in the LTM phase, and the Army will continue to provide annual certification reports for this site. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1062 - BLDG 22,PRECISION MACHINE SHOP(

CRL ID: 34855.1062

Env Site ID: PICA-096

Alias: NFA SITES

Regulatory Driver: CERCLA

RIP Date: 04-15-2015

RC Date: 04-15-2015

RC Reason: All Required Cleanup Completed

Site Closeout Date: 09-15-2055

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-31-1976	05-31-1981
SI	07-31-1987	06-30-1989
RI/FS	09-30-1993	04-15-2015
RD	#	#
IRA	#	#
RA(C)	#	#
RA(O)	#	#
LTM	04-16-2015	09-15-2055

Site Narrative: PICA-096 is named the 21 Site Group. It includes the RI Concept Plan Sites 10 (former pit area), Site 27 (former salt storage building), 69 (rail beds), former storage areas at Sites 117 , 119, 120, and 121. Site 123 was a former metal plating facility and Site 134 (drainage ditches associated with Building 302), Site 136 (storehouse), Sites 145, 164 , 172 (parking lot with a history of oil spills), 174, 175 (600 buildings), 176 (former material dumping pit), 177, 185, 186, and a scrap storage area. The site underwent an RI in 1994. The only LOC exceedances were for beryllium in surface soil. An FS was approved in 2010. The PP was public noticed in June 2014 and the ROD was approved in 2015. The remedy was NFA with monitoring of land use. Land use certification reports are submitted annually. The Army will continue to provide annual certification reports for this site. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1063 - BLD 41, PESTICIDE STR & FORM OIL

CRL ID: 34855.1063

Env Site ID: PICA-097

Alias: PICA-097

Regulatory Driver: CERCLA

RIP Date: 09-28-2019

RC Date: 09-28-2019

RC Reason: All Required Cleanup Completed

Site Closeout Date: 09-29-2055

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-31-1976	05-31-1981
SI	07-31-1987	06-30-1989
RI/FS	09-30-1993	09-15-2017
RD	09-16-2017	05-14-2018
IRA	#	#
RA(C)	05-01-2018	09-28-2019
RA(O)	#	#
LTM	09-29-2019	09-29-2055

Site Narrative: This site is part of the 3 Site Group. The site consists of Building 41 which is located in the middle of the golf course. In 1964 this building was reassigned for storage of fertilizer lime and miscellaneous inert materials and has been predominantly used for storage of pesticides and herbicides that are applied on the golf course and lawn surrounding the site. Until 1988 it was a common occurrence for open bags of pesticides and herbicides stored at Building 41 to leak onto the wooden floor due to a leaky roof. Groundwater at this site is covered under the Area D or PICA-076. In 2009 the site was included in the 5 Site FS which was approved in December 2013. The media of concern is soil and the COCs are pesticides and arsenic. The PP was public noticed in September 2014. The ROD was signed in 2017 and the remedy was a soil dig and haul remediation followed by LUCs. The dig and haul activities occurred during 2018. The RAR was final in 2019 along with an explanation of significant difference to account for increases in some NJDEP cleanup levels. LTM is underway. Because it is anticipated that hazardous substances pollutants or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE annual inspections and periodic remedy reviews will continue indefinitely.

34855.1068 - FORMER WASTE DUMP/CHEMICAL LAB

CRL ID: 34855.1068

Env Site ID: PICA-102

Alias: PICA-102

Regulatory Driver: CERCLA

RIP Date: 10-01-2008

RC Date: 10-01-2008

RC Reason: All Required Cleanup Completed

Site Closeout Date: 09-30-2055

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-31-1976	05-31-1981
SI	07-31-1987	06-30-1989
RI/FS	09-30-1993	09-30-2008
RD	04-30-2006	09-30-2008
IRA	#	#
RA(C)	04-30-2006	10-01-2008
RA(O)	#	#
LTM	10-02-2008	09-30-2055

Site Narrative: PICA-102 (Site 61) encompasses approximately three acres and consists of Buildings 171 and 176. The group name is Waste Dumps and Labs. Trash, including cars and unknown materials, were reportedly used to fill in the swamp area west of Buildings 171 and 176 sometime before 1960. Building 171 had been used as a photo processing unit. Building 176 was constructed in 1944 for storage of laboratory equipment and sampling of ammunition. The site investigation was completed in 2000. The COCs in soil and sediment are metals, PAHs, and 4,4'-Dichlorodiphenyldichloroethene. An FS was final in 2005. Groundwater under the site is being addressed under PICA-204. The ROD, RD, and remedial action implementation were all completed in FY08. The remedy is excavation and off-site disposal of metals-contaminated soils and LUCs. LTM began in 2008. An annual monitoring report is submitted annually. The site is in the LTM phase. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1073 - BLDGS 404,407,&408,CHMCL LAB&PR

CRL ID: 34855.1073

Env Site ID: PICA-107

Alias: SITE 138

Regulatory Driver: CERCLA

RIP Date: 02-15-2029

RC Date: 02-15-2029

RC Reason:

Site Closeout Date: 02-15-2058

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-31-1976	05-31-1981
SI	07-31-1987	06-30-1989
RI/FS	09-30-1993	08-15-2028
RD	#	#
IRA	#	#
RA(C)	08-15-2028	02-15-2029
RA(O)	#	#
LTM	02-15-2029	02-15-2058

Site Narrative: This site has an area of approximately seven acres and includes Buildings 404, 407 and 408. The group name is 45 Site Group D. Building 404 was constructed as a storehouse for sodium nitrate and used in the 1950s as a chemical laboratory. Building 407 was originally used as an experimental chemistry lab, then as an energetics lab. Building 408 was used for the experimental loading and nitrating of cottons, linens, and wood pulp for the production of nitrocellulose and was later modified for use as a chemical research facility in the experimental pressing of explosives. In 1974, the building was used as a lead azide production facility. The building was demolished in 2013. The Phase I RI indicated LOC exceedances in soil for SVOCs and PCBs, metals in sediment, metals in surface water and TCE in groundwater. The site is included in the NFA 48-Site FS approved by the USEPA in July 2014. The draft PP is undergoing regulatory review. The assumed remedy is NFA with monitoring of land use. The Army will finalize and public notice the PP, and the NFA with monitoring of land use ROD will be signed. After the ROD is signed, the Army will conduct the required annual land use inspections. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1074 - BLDGS in 400/300 AREA

CRL ID: 34855.1074

Env Site ID: PICA-108

Alias: SITE 139

Regulatory Driver: CERCLA

RIP Date: 02-15-2027

RC Date: 02-15-2027

RC Reason:

Site Closeout Date: 02-15-2056

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-31-1976	05-31-1981
SI	07-31-1987	06-30-1989
RI/FS	09-30-1993	08-15-2026
RD	#	#
IRA	#	#
RA(C)	08-15-2026	02-15-2027
RA(O)	#	#
LTM	02-16-2027	02-15-2056

Site Narrative: This site is in the 45 Site Group A. PICA-108 (Concept Site Plan site 139) consists of Building 424 and the surrounding area. The building was a heat exchanger plant with a sump that discharged to the marsh area southwest of the building via an open trough and a small outfall ditch. During the Phase II RI, sediment samples from the drainage ditch contained elevated levels of several explosive compounds and metals. In order to delineate the existing contamination, additional samples were collected in 2000 and 2001. The RI was completed in 2003. The COCs in soils include PAHs, arsenic, and PCBs. COCs in sediment include PAHs, metals. In 2004, the neutralization tank and approximately 94 cy of soil were removed from Building 424 under RCRA closure activities. The 48 Site FS was finalized in 2014. The PP is undergoing regulatory review. The Army will finalize and public notice the PP, and the NFA with monitoring of land use ROD will be signed. The Army will conduct the required annual inspections. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1077 - FORMER BLDG 435, PROPELLANT SOL

CRL ID: 34855.1077

Env Site ID: PICA-111

Alias: SITE 142

Regulatory Driver: CERCLA

RIP Date: 02-15-2028

RC Date: 02-15-2028

RC Reason:

Site Closeout Date: 02-15-2057

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-31-1976	05-31-1981
SI	07-31-1987	06-30-1989
RI/FS	09-30-1993	08-15-2027
RD	#	#
IRA	08-15-2003	10-15-2004
RA(C)	08-15-2027	02-15-2028
RA(O)	#	#
LTM	02-16-2028	02-15-2057

Site Narrative: PICA-111 consists of former Building 435 and the surrounding area. In the early-1950s, the building was demolished. Lead and perchlorate contamination was delineated in 2001. An IRA (lead removal) was conducted in 2003 through 2004. In April 2010 the FS was finalized. A draft PP was submitted to the regulators in June 2013 and is still being negotiated. The Army will finalize and public notice the PP, and the NFA with monitoring of land use ROD will be signed. The Army will conduct the required annual land use inspections. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1088 - PROPELLANT TESTING (BLDG 197) S

CRL ID: 34855.1088

Env Site ID: PICA-122

Alias: SITE 126

Regulatory Driver: CERCLA

RIP Date: 02-15-2029

RC Date: 02-15-2029

RC Reason:

Site Closeout Date: 02-16-2058

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-31-1976	05-31-1981
SI	10-31-1989	03-31-1991
RI/FS	09-30-1993	08-15-2028
RD	#	#
IRA	#	#
RA(C)	08-15-2028	02-15-2029
RA(O)	#	#
LTM	02-16-2029	02-16-2058

Site Narrative: The site is included in 45 Site Group D. The site includes demolished Building 197 and the surrounding area. This part of Picatinny Arsenal was used for chemistry and other testing laboratories. The building was constructed in 1942 for surveillance testing. The RI conducted in 1994 found PAH contamination in soil. The final 48 Site FS was approved in July 2014. The PP was submitted to the regulators in 2018 and is still under their review. The site is in the RI/FS phase. The Army will finalize and public notice the PP, and NFA with monitoring of land use ROD will be signed. The Army will conduct the required annual land use monitoring. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1097 - FORMER ORDNANACE MANUFAC. (BLDG)

CRL ID: 34855.1097

Env Site ID: PICA-131

Alias: PICA-131

Regulatory Driver: CERCLA

RIP Date: 10-10-2019

RC Date: 10-10-2019

RC Reason: All Required Cleanup Completed

Site Closeout Date: 09-29-2055

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-31-1976	05-31-1981
SI	10-31-1989	03-31-1991
RI/FS	02-28-1995	07-15-2018
RD	09-15-2017	10-09-2019
IRA	#	#
RA(C)	05-15-2018	10-10-2019
RA(O)	#	#
LTM	10-11-2019	09-29-2055

Site Narrative: PICA-131 is part of the 3 Site Group. Building 266 served as an explosives production facility from the time of its construction in 1903 until the early-1950s. Explosives production ceased here sometime before 1953, when the building was converted to its current use as a wind tunnel research facility. At one time, operations of the wind tunnel resulted in the generation and dispersion of mercury condensate in and around the wind tunnel exhaust area. RIs conducted in 2000 and 2016 determined PAHs and arsenic were above the LOCs in soil. The COCs in soil are arsenic and PAHs and in groundwater are ammonia, aluminum, arsenic, chromium, chloroform, and TCE. The site was included in the 3 Site FS and the 3 Site PP, both of which were approved in 2014. The public notice for the PP was issued in September 2014. The preferred alternative in the PP and ROD was a soil dig and haul remedy with LUCs. The ROD was signed in FY17. The dig and haul activities occurred during 2018. The RAR was final in 2019 along with an explanation of significant difference to account for increases in some NJDEP cleanup levels. LTM is underway. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1100 - R&D LAB/Chem Storage 3000-Area

CRL ID: 34855.1100

Env Site ID: PICA-134

Alias: SITE 70

Regulatory Driver: CERCLA

RIP Date: 06-30-2027

RC Date: 06-30-2027

RC Reason:

Site Closeout Date: 06-29-2057

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-31-1976	05-31-1981
SI	10-31-1989	03-31-1991
RI/FS	02-28-1995	12-30-2026
RD	#	#
IRA	#	#
RA(C)	12-30-2026	06-30-2027
RA(O)	#	#
LTM	06-30-2027	06-29-2057

Site Narrative: This site is in the 45 Site Group A. PICA-134 address concept plan sites 30, 70 and 83. Site 70 consists of Building 3028 which was used as a research and development laboratory and Building 3029 which was a general-purpose warehouse. Between 1980 and 1982, the building was renovated and used as laboratories and offices. An RI completed in 2002 indicated exceedances of PAHs and arsenic in soils. The final 48 Site FS was approved in 2014. The PP the 45 Site Group A recommends is NFA with monitoring of land use and was submitted for regulatory review in 2017 and is still undergoing regulatory review. The site is in the RI/FS phase. The Army will finalize and public notice the PP and the NFA with monitoring of land use ROD will be signed. The Army will conduct the required annual land use inspections. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1101 - BLDGS IN THE 900-AREA

CRL ID: 34855.1101

Env Site ID: PICA-135

Alias: SITE 71

Regulatory Driver: CERCLA

RIP Date: 06-30-2027

RC Date: 06-30-2027

RC Reason:

Site Closeout Date: 06-29-2057

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-31-1976	05-31-1981
SI	10-31-1989	03-31-1991
RI/FS	02-28-1995	12-30-2026
RD	#	#
IRA	#	#
RA(C)	12-30-2026	06-30-2027
RA(O)	#	#
LTM	06-30-2027	06-29-2057

Site Narrative: This site is in the 45 Site Group A. PICA-135 addresses concept sites 71, 82, 158 and 159. The site is considered the area around Building 910 which was constructed in 1950 for use as a storage magazine and is located on the northwestern shore of Picatinny Lake. It was utilized until the 1970s for the environmental testing of munitions. During the building demolition, chip samples indicted the presence of arsenic, beryllium, cadmium, chromium, copper, lead, nickel, and zinc. The RI conducted in 2001 through-2002 showed exceedances of SVOCs and arsenic in soils above the screening criteria. The final 48 Site FS was approved in 2014. The PP the 45 Site Group A recommends is NFA with monitoring of land use and was submitted for regulatory review in 2017 and is still undergoing regulatory review. The site is in the RI/FS phase. The Army will finalize and public notice the PP and the NFA with monitoring of land use ROD will be signed. The Army will conduct the required annual land use inspections. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1102 - HIGH PRESSURE BOILER (BLDG 3013)

CRL ID: 34855.1102

Env Site ID: PICA-136

Alias: SITE 79

Regulatory Driver: CERCLA

RIP Date: 06-30-2027

RC Date: 06-30-2027

RC Reason:

Site Closeout Date: 06-29-2057

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-31-1976	05-31-1981
SI	10-31-1989	03-31-1991
RI/FS	02-28-1995	12-30-2026
RD	#	#
IRA	01-15-1990	08-15-1992
RA(C)	12-30-2026	06-30-2027
RA(O)	#	#
LTM	06-30-2027	06-29-2057

Site Narrative: This site is in the 45 Site Group A. PICA-136 addresses concept plan site 79 which is building 3013 and the surrounding area. Built in 1901, Building 3013 was first used as a boiler house. During World War I and World War II the building was used to produce explosives and for water treatment. In 1967, two 20,000-gallon USTs were installed for storage of fuel oil for the boiler. The building was demolished in 2013. During the demolition work, discolored soil was found when the two USTs were dug up. About 1,500 tons of contaminated soil were removed from a 15-foot-deep excavation. This soil removal was not completed under CERCLA. Phase II RI activities were conducted at the site in 1996. Additional investigations performed in 2000 delineated the extent of the arsenic and lead contamination in soil; however, additional samples were collected in 2001 to complete the PAH delineation in soil. The media of concern is soil and the COCs are arsenic, lead, and PAHs. The final 48 Site FS approved by USEPA in July 2014. The PP for the 45 Site Group A recommends NFA with monitoring of land use for PICA-136 and was submitted for regulatory review in 2017 and is still undergoing regulatory review. The site is in the RI/FS phase. The Army will finalize and public notice the PP and the NFA with monitoring of land use ROD will be signed. The Army will conduct the required annual land use inspections. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1103 - XRAY PHOTOPROCESSING LAB(BLDG 9

CRL ID: 34855.1103

Env Site ID: PICA-137

Alias: PICA-137

Regulatory Driver: CERCLA

RIP Date: 06-30-2032

RC Date: 06-30-2032

RC Reason:

Site Closeout Date: 07-01-2032

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-31-1976	05-31-1981
SI	10-31-1989	03-31-1991
RI/FS	02-28-1995	06-30-2032
RD	#	#
IRA	#	#
RA(C)	#	#
RA(O)	#	#
LTM	#	#

Site Narrative: Building 908 was constructed in 1918 for use as a general-purpose magazine. In 1945, a request was made to equip Bldg 908 with a radiographic inspection laboratory that would x-ray loaded shells for manufacturing defects. By 1964, several x-ray units were in operation in the building. There have been numerous concerns for high-energy gamma rays produced by the betatron x-ray units at the building. During periods of operation, despite the thick protective barriers and increased shielding, high levels of radiation were recorded in the building during radiation surveys conducted by Picatinny Arsenal (PTA). Building 908 also housed a silver recovery unit from 1963 to 1983. Phase II RI activities performed at this site included a radiological survey and the collection of soil, surface water and sediment samples. The radiological survey identified elevated alpha radiation and radium-226 levels near the southeastern portion of the building. Radium-226 has also been detected in soil at elevated levels and is a COC due to the radiological nature of operations performed at the site. Additional samples were collected in 2001 to delineate the arsenic contamination in the soil. Human health risk assessment results indicate that the chemical risks and hazards associated with soil, sediment and surface water exposure at the site are below the target levels of 1×10^{-4} and 1, respectively. Radiological risk from exposure to surface soil exceeds the target level. Five radiological compounds were identified as risk drivers. An FS will be prepared to evaluate remedial alternatives for the residual soil contamination. Until the RI/FS is complete it is unknown if unacceptable risk exists or not, thus preventing future planning beyond the RI/FS phase.

34855.1109 - ORDNANCE FAC (BLDGS 717,722,732)

CRL ID: 34855.1109

Env Site ID: PICA-143

Alias: SITE 108

Regulatory Driver: CERCLA

RIP Date: 05-15-2014

RC Date: 05-15-2014

RC Reason: Study Completed, No Cleanup Required

Site Closeout Date: 05-16-2055

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-31-1976	05-31-1981
SI	10-31-1989	03-31-1991
RI/FS	02-28-1995	05-15-2014
RD	#	#
IRA	#	#
RA(C)	#	#
RA(O)	#	#
LTM	05-16-2014	05-16-2055

Site Narrative: This site is included in the 25 Site Group. The site consists of the area of Building 717, an ordnance facility, former Building 722, a physics and flare-testing laboratory, and former Building 732, a physics laboratory and ordnance facility. RI results identified AOCs at the site, including metals contamination at Flare Island, metals and mirex contamination in the catch basins and sumps of Building 732, soil contamination on the south side of Building 722, and PCB contamination near a transformer pad. Additional sampling was performed in 2001 to delineate the extent of contamination at the various AOCs. The RI was completed in 2003. The COCs in soils were metals. The FS was approved in August 2009. The PP was a public notice issued in March 2013 and the ROD was signed by the Army and USEPA by May 2014. The site remedy is NFA with monitoring of land use. A certification of land use for the site with an inspection report is submitted annually. The site is in the LTM phase. The Army will continue the required annual land use inspections and develop the certification report as required by the ROD. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1111 - 500 AREA BUILDINGS SITE 110

CRL ID: 34855.1111

Env Site ID: PICA-145

Alias: SITE 110

Regulatory Driver: CERCLA

RIP Date: 02-15-2028

RC Date: 02-15-2028

RC Reason:

Site Closeout Date: 02-16-2057

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-31-1976	05-31-1981
SI	10-31-1989	03-31-1991
RI/FS	02-28-1995	08-15-2027
RD	#	#
IRA	#	#
RA(C)	08-15-2027	02-15-2028
RA(O)	#	#
LTM	02-16-2028	02-16-2057

Site Narrative: This site is in the Non-Lakes Group and addresses PICA-145 (concept plan site 110). Built in 1901, Building 3013 was originally used as a main boiler house used to produce explosives during World War I and World War II and was expanded in the 1940s to include a water treatment system. As a result of the identification of discolored soil during the removal of the two USTs, about 1,500 tons of contaminated soil was removed from a 15-foot-deep excavation as a RCRA remedial action. Investigations performed in 2000 delineated the extent of the arsenic and lead contamination in soil. The RI was completed in 2005. The building was demolished as of 2013. The site was included in an FS submitted in October 2009 and approved in 2014. A draft PP is undergoing regulatory review. The site is in the RI/FS phase. The Army will finalize and public notice the PP, and the NFA with monitoring of land use ROD will be signed. The Army will conduct the required annual LTM inspections. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1115 - PROPELLANT PLANT (BLDG541) SITE

CRL ID: 34855.1115

Env Site ID: PICA-149

Alias: SITE 149

Regulatory Driver: CERCLA

RIP Date: 10-09-2019

RC Date: 10-09-2019

RC Reason: All Required Cleanup Completed

Site Closeout Date: 09-30-2055

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-31-1976	05-31-1981
SI	10-31-1989	03-31-1991
RI/FS	02-28-1995	09-15-2017
RD	09-15-2017	03-18-2018
IRA	#	#
RA(C)	05-15-2018	10-09-2019
RA(O)	#	#
LTM	10-09-2019	09-30-2055

Site Narrative: PICA-149 is part of the 3 Site Group. Building 541 was constructed in 1943 to perform the water drying process to harden explosive powder grains and was used to house two Plymouth gas locomotives during the 1960s. Picatinny Arsenal personnel reported that a vat in Building 541 ruptured, causing liquid containing propellant to leak onto the building floor and to the outside area. Building 541 was demolished under Toxic and Energetics Cleanup Program (TECUP) in 1983. The RI was completed in 2005 and the COCs in soil are PAHs and 2,4- Dinitrotoluene. The site was included in a 3 Site FS and a Site 3 PP, both of which were submitted in spring of 2014. The public notice for the PP was issued in September 2014. The preferred alternative in the PP and ROD was a soil dig and haul remedy with LUCs. The ROD was signed in FY17. The dig and haul activities occurred during 2018. The RAR was final in 2019 along with an explanation of significant difference to account for increases in some NJDEP cleanup levels. LTM is underway. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1121 - TECUP BUILDINGS SITE 178

CRL ID: 34855.1121

Env Site ID: PICA-155

Alias: SITE 155

Regulatory Driver: CERCLA

RIP Date: 02-15-2028

RC Date: 02-15-2028

RC Reason:

Site Closeout Date: 02-16-2057

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-31-1976	05-31-1981
SI	10-31-1989	03-31-1991
RI/FS	02-28-1995	08-15-2027
RD	#	#
IRA	#	#
RA(C)	08-15-2027	02-15-2028
RA(O)	#	#
LTM	02-16-2028	02-16-2057

Site Narrative: This site is in the Non-Lakes Group. PICA-155 consists of 80 buildings that were used for a variety of purposes ranging from munitions production to inert storage that have been demolished under TECUP program that was instituted in the 1980s to demolish potentially contaminated buildings. The majority of the TECUP operations were performed in the 1980s. Before 1981, formal records of building demolition operations were not maintained. Between 1981 and 1989, approximately 145 buildings at Picatinny Arsenal were demolished under TECUP, after being decontaminated by fire or washing. After the decontamination process, the buildings were demolished, and the area graded. In the past, buildings were sometimes demolished and buried-in-place without any preparatory decontamination measures. During the 2005 RI Phase, lead was determined to be the COC in soil. The Non-Lakes FS, which includes 500 Area buildings, TECUP buildings, Site 94, and Site 77, was submitted to and approved by the USEPA in July 2014. The draft PP for this site is undergoing regulatory review. The site is in the RI/FS phase. The Army will finalize and public notice the PP, and the NFA with monitoring of land use ROD will be signed. The Army will conduct the required annual land use inspections. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1128 - SHELL BURIAL AREAS NEAR SITE 5

CRL ID: 34855.1128

Env Site ID: PICA-162

Alias: PICA-162

Regulatory Driver: CERCLA

RIP Date: 12-30-2027

RC Date: 12-30-2027

RC Reason:

Site Closeout Date: 12-29-2056

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-31-1976	05-31-1981
SI	10-31-1989	03-31-1991
RI/FS	03-31-1996	03-15-2026
RD	03-15-2026	09-30-2026
IRA	#	#
RA(C)	09-30-2026	12-30-2027
RA(O)	#	#
LTM	12-30-2027	12-29-2056

Site Narrative: PICA-162 (the Site 5 Shell Burial Area) is located northwest of Building 3150 in the vicinity of a crater caused by the 1926 Lake Denmark explosion. Exploded and UXO, as well as building debris from the explosion, was deposited/disposed in the crater. Ordnance in the shell burial area includes mines, depth charges, fuses, projectiles, explosives, ammunition, and propellants. A 1981 installation assessment addendum stated that the shell burial areas also contained acids, pickling liquors, cyanide, phenol, and metals. The RI was completed in 2001 for Site 5 and 1999 for Site 6. The COC in groundwater is PCE on Site 5 and SVOCs in soil and PCE, TCE, and methylene chloride in groundwater. Groundwater contamination is currently being addressed under the Mid-Valley (PICA-204) ROD. The 48 Site FS which included PICA-162, was approved by USEPA in 2014, but NJDEP did not concur. The Army, with regulator concurrence, decided in 2014 that the two IRP shell burial areas PICA-162 and PICA-052, would be addressed together with MMRP site PICA-010-R-01 (Shell Burial Grounds) since they occupy the same geographic site. The MMRP FS was approved by the NJDEP and USEPA in 2018. The draft Shell Burial Grounds MRS PP is undergoing regulatory review. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely under the Mid-Valley (PICA-204) ROD.

34855.1129 - Propellnt/Rcket Prod 1300/1400

CRL ID: 34855.1129

Env Site ID: PICA-163

Alias: SITE 91

Regulatory Driver: CERCLA

RIP Date: 05-15-2014

RC Date: 05-15-2014

RC Reason: Study Completed, No Cleanup Required

Site Closeout Date: 09-15-2055

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-31-1976	05-31-1981
SI	10-31-1989	03-31-1991
RI/FS	06-30-1996	05-15-2014
RD	#	#
IRA	#	#
RA(C)	#	#
RA(O)	#	#
LTM	06-15-2014	09-15-2055

Site Narrative: This site is in the 25 Site Group and addresses the following five concept plan sites- 35, 91, 161, 155 and 168. The site consists of former Building 130 and the surrounding area. The building was demolished in 2005. The RI was completed in 2000. All lead-lined troughs and catch basins were removed in 2002 and lead-contaminated soil (62 cy) directly adjacent to Building 1301 was removed as part of the facility-wide sump and dry well investigation which was completed under RCRA. The PP was public noticed in 2013 and the ROD was signed in 2014. The site remedy is NFA with monitoring of land use. LTM is ongoing. The Army will continue the required annual inspections. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1130 - RESERVOIR NEAR BLDG 3159 SITE 1

CRL ID: 34855.1130

Env Site ID: PICA-164

Alias: SITE 103

Regulatory Driver: CERCLA

RIP Date: 11-16-2018

RC Date: 11-16-2018

RC Reason: Study Completed, No Cleanup Required

Site Closeout Date: 09-29-2055

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-31-1976	05-31-1981
SI	10-31-1989	03-31-1991
RI/FS	06-30-1996	11-15-2018
RD	#	#
IRA	#	#
RA(C)	11-15-2018	11-16-2018
RA(O)	#	#
LTM	08-15-2019	09-29-2055

Site Narrative: The 16,000,000-gallon reservoir, known as Explosive Ordnance Disposal Pond, is located near Building 3159, and was constructed 1951 and 1953. Prior to its construction, the reservoir was an undeveloped marsh area. No spills have been documented from the four surrounding buildings into the reservoir. Materials associated with the area surrounding the reservoir may include pesticides (variety), flammable materials (unknown) and PCBs. The RI was completed in 2005. The contaminant of concern in soil is thallium. A revised FS was submitted in spring of 2014 and the PP was approved in 2017. The NFA with monitoring of land use ROD was signed in 2018. The site is in the LTM phase. The Army will continue the required annual land use inspections as required by the ROD. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1137 - ORDNANCE BLDG/EXPLOSIVES PROD.

CRL ID: 34855.1137

Env Site ID: PICA-171

Alias: SITE 171

Regulatory Driver: CERCLA

RIP Date: 05-15-2014

RC Date: 05-15-2014

RC Reason: Study Completed, No Cleanup Required

Site Closeout Date: 06-15-2055

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-31-1976	05-31-1981
SI	10-31-1989	03-31-1991
RI/FS	06-30-1996	05-15-2014
RD	#	#
IRA	01-01-2004	12-31-2004
RA(C)	#	#
RA(O)	#	#
LTM	06-15-2014	06-15-2055

Site Narrative: This site is included in the 25 Site Group and addresses concept plan sites 162 & 171. Site 171 consists of Buildings 3106, 3109 and 3111 that were used as magazines while under naval ownership and used for physical and environmental testing of ordnance items. The Navy constructed Building 3111 in 1943 for use as a smokeless powder storage building. In the 1960s, the building was converted as an air gun facility. The RI was completed in 2003. COCs in soils are lead, cadmium, zinc, PAHs, and the COC in groundwater is TCE. Groundwater is being addressed on an area-wide basis as part of the Mid-Valley (PICA-204) ROD. Approximately 180 cy of metals-contaminated soil were removed in 2004. The FS was completed in 2009. The PP was completed in 2013 and the ROD was signed in 2014. The remedy NFA with monitoring of land use. The Army will continue the required annual land use inspections and develop the certification report as required by the ROD. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1141 - ORDNANCE BLDGS in 600-AREA

CRL ID: 34855.1141

Env Site ID: PICA-175

Alias: SITE 115

Regulatory Driver: CERCLA

RIP Date: 02-15-2027

RC Date: 02-15-2027

RC Reason:

Site Closeout Date: 02-15-2056

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-31-1976	05-31-1981
SI	10-31-1989	03-31-1991
RI/FS	06-30-1996	08-15-2026
RD	#	#
IRA	#	#
RA(C)	08-15-2026	02-15-2027
RA(O)	#	#
LTM	02-15-2027	02-15-2056

Site Narrative: This site is in the 45 Site Group B. PICA-175 addresses the following five concept plan sites- 133, 154, 175, 178 and 179. The site includes Building 611 and the surrounding area. Building 611 was constructed in 1965 and has been used for the testing of small munitions since its construction. The RI was completed in 2001. COCs include lead in groundwater and PCBs and 2,4-Dinitrotoluene in sediment and soil. The final 48 Site FS was approved by USEPA in July 2014. The draft PP is undergoing regulatory review and recommends NFA with monitoring of land use. The site is in the RI/FS phase. The Army will finalize and public notice the PP and the NFA with monitoring of land use ROD will be signed. The Army will then conduct the required annual land use inspections and reports. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1150 - BUILDINGS(1600,1601,1609,1610)

CRL ID: 34855.1150

Env Site ID: PICA-184

Alias: SITE 94

Regulatory Driver: CERCLA

RIP Date: 02-15-2028

RC Date: 02-15-2028

RC Reason:

Site Closeout Date: 02-16-2057

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-31-1976	05-31-1981
SI	10-31-1989	03-31-1991
RI/FS	06-30-1996	08-15-2027
RD	#	#
IRA	#	#
RA(C)	08-15-2027	02-15-2028
RA(O)	#	#
LTM	02-16-2028	02-16-2057

Site Narrative: This site is in the Non-Lakes Group. PICA-184, Site 94 consists of the areas around six buildings- (1) Building 1609 North (2) 1609 South, (3) 1610 (4) former Building 1600 (5) former Building 1601 and (6) former Building 1604. Building 1601 was once used for explosives testing, and later was used as a photographic laboratory. Building 1604 was built in 1942 as a flare and pyrotechnics assembly plant and was listed as an ordnance facility in 1949 and added a plating facility. Building 1609 South was constructed in 1942 as a machine shop, while Building 1609 North was constructed in 1951 as a physics lab. A PA/SI was conducted in 1996 and the RI was complete in 2005. Metals were detected in soil at concentrations greater than LOC. About 25 cy of metals-contaminated soil were removed from the area of the former sand basin. This removal action was completed as part of the building demolition which does not use environmental funds (non-CERCLA). PICA-184 was included in the Non-Lakes FS which was approved by the USEPA in July 2014. A draft PP is undergoing regulatory review. The site is in the RI/FS phase. The Army will finalize and public notice a PP, and the NFA with monitoring of land use ROD will be signed. The Army will then conduct the required annual land use inspections. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1158 - APPLE TREES RECREATIONAL AREA

CRL ID: 34855.1158

Env Site ID: PICA-192

Alias: SITE 189

Regulatory Driver: CERCLA

RIP Date: 05-15-2014

RC Date: 05-15-2014

RC Reason: All Required Cleanup Completed

Site Closeout Date: 09-15-2055

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-31-1976	05-31-1981
SI	02-29-1992	04-30-1992
RI/FS	02-28-1995	05-15-2014
RD	#	#
IRA	#	#
RA(C)	#	#
RA(O)	#	#
LTM	06-15-2014	09-15-2055

Site Narrative: This site is in the 25 Site Group. This site had been an apple orchard and recreational area. In 1992 a health risk assessment study at the site was performed. Arsenic was the only compound that exceeded its LOC. In 2000 an extensive soil sampling program determined that the arsenic contamination was widespread but limited to the top one to two feet of soil. Arsenic was the COC and soil was the affected media. In spring 2004 this site was reclassified by the Army from an apple orchard to a recreational area. Additional sampling was conducted in the summer of 2004. The RI was completed in 2005. An FS was approved by the USEPA in August 2009. The PP was issued in March 2013 and the ROD was signed by the Army and USEPA by May 2014. The site remedy is NFA with monitoring of land use. The Army will continue the required annual land use inspections and develop the certification report as required by the ROD. Because it is anticipated that hazardous substances pollutants or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE annual inspections and periodic remedy reviews will continue indefinitely.

34855.1159 - GREEN POND AND BEAR SWAMP BROOK

CRL ID: 34855.1159

Env Site ID: PICA-193

Alias: PICA-193

Regulatory Driver: CERCLA

RIP Date: 09-30-2026

RC Date: 09-30-2026

RC Reason:

Site Closeout Date: 09-30-2055

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-31-1976	05-31-1981
SI	10-31-1989	03-31-1991
RI/FS	09-30-1993	07-31-2005
RD	08-31-2001	02-28-2007
IRA	08-31-2003	10-31-2004
RA(C)	04-30-2006	09-30-2026
RA(O)	#	#
LTM	09-30-2026	09-30-2055

Site Narrative: PICA-194 (Green Pond Brook) was administratively closed and all actions are now captured under PICA-193. The group name is Green Pond and Bear Swamp Brook. The Green Pond Brook area begins at the outfall of Picatinny Lake and extends to the southern installation boundary. The Bear Swamp Brook area begins on Green Pond Mountain and extends until Bear Swamp Brook's confluence with Green Pond Brook. These two brooks are the main drainages for the watershed on the southern portion of Picatinny Arsenal and flow past several industrial areas that previously had waste discharges to surface water. The site underwent an RI in 1994. Arsenic and PCBs in the sediments are the COCs. A PP public meeting occurred in December 2003. The ROD was signed in July 2005 and the remedy was chemical and biological monitoring. An RD was approved in March 2007. In September 2007, 900 tons of impacted sediment was removed from an oil/water separator and 13 tons of impacted sediments were excavated near RI concept site 34 in region 3 of the brook. The chemical and biological monitoring required by the ROD was implemented in 2007 and is ongoing. Data reports and LUC certifications have been submitted annually since 2007. Due to an Applicable or Relevant and Appropriate Requirement update a ROD change document is underway. The site is in the RAC phase.

34855.1161 - BLDGS IN 1400/1300/3100/1000 AR

CRL ID: 34855.1161

Env Site ID: PICA-195

Alias: SITE 77

Regulatory Driver: CERCLA

RIP Date: 02-15-2028

RC Date: 02-15-2028

RC Reason:

Site Closeout Date: 02-16-2057

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	07-31-1976	05-31-1981
SI	10-31-1989	03-31-1991
RI/FS	06-30-1996	08-15-2027
RD	#	#
IRA	#	#
RA(C)	08-15-2027	02-15-2028
RA(O)	#	#
LTM	02-16-2028	02-16-2057

Site Narrative: The original PICA-195 or Site 77 consisted of Building 3150 that was constructed in 1942 as a storage building and housed a precision machine shop and a gymnasium. The site was included in the Non-Lakes FS which was approved by the USEPA in July 2014. In 2003 the following eight sites (former hazardous waste tank storage, former lab pack facility, former PCB storage area, pesticide storage area, reservoir, former ordinance facility, former propellant/ordinance facility), and propellant melting plant were administratively closed [listed as response complete (RC)]. The RI was completed in 2005. The Army will finalize and public notice a PP, and the NFA with monitoring of land use ROD will be signed. The Army will conduct the required annual LTM inspections. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1164 - FORMER PISTOL RANGE DUMP&NAVY M

CRL ID: 34855.1164

Env Site ID: PICA-199

Alias: SITE 199

Regulatory Driver: CERCLA

RIP Date: 05-15-2014

RC Date: 05-15-2014

RC Reason: All Required Cleanup Completed

Site Closeout Date: 09-15-2055

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	12-31-1993	04-30-1994
SI	08-31-1994	09-30-1995
RI/FS	03-31-1997	05-15-2014
RD	#	#
IRA	#	#
RA(C)	#	#
RA(O)	#	#
LTM	06-15-2014	09-15-2055

Site Narrative: Site 199 consists of an abandoned pistol range and a former dumping area. This site is part of the 25 Site Group. The pistol range was active from approximately 1936 to 1980. The one-acre area to the north of the pistol range was used as a dumping area and contained construction and demolition debris and domestic waste. The type of trash present at the former dumping area suggests that the site was active from the 1920s to the mid-1930s. A 1940 naval ammunition depot map indicated that a manure pit occupied the southeastern half of Site 199. Lead in the soil was the COC. The FS was approved in August 2009 by the USEPA. This PP recommended NFA with monitoring of land use and it was public noticed in March 2013 and the ROD was signed by the Army and USEPA in May 2014. This site is part of the 25 Site Group. The Army will conduct the required annual inspection and develop the certification report as required by the NFA with monitoring of land use ROD. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1165 - AREA (L) OTHER BUILDINGS

CRL ID: 34855.1165

Env Site ID: PICA-200

Alias: PICA-200

Regulatory Driver: CERCLA

RIP Date: 02-15-2027

RC Date: 02-15-2027

RC Reason:

Site Closeout Date: 02-15-2056

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	12-31-1993	04-30-1994
SI	08-31-1994	04-30-1995
RI/FS	12-31-1995	08-15-2026
RD	#	#
IRA	#	#
RA(C)	08-15-2026	02-15-2027
RA(O)	#	#
LTM	02-15-2027	02-15-2056

Site Narrative: The PICA 200 site represents 13 buildings in Area L. The group name for this site is 45 Site Group A. The PICA 200 buildings were included as part of the 1996 PA/SI where metals in the soils were detected. Groundwater at this site is addressed under the Mid-Valley ROD. The USEPA approved the FS in July 2014. A PP for remedy with monitoring of land use NFA was submitted in 2017 to the regulators. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1169 - MID-VALLEY GROUNDWATER

CRL ID: 34855.1169

Env Site ID: PICA-204

Alias: PICA-204

Regulatory Driver: CERCLA

RIP Date: 03-15-2014

RC Date: 09-15-2055

RC Reason:

Site Closeout Date: 09-15-2055

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	09-30-1993	04-30-1996
SI	08-31-1996	06-30-1998
RI/FS	09-30-1998	09-15-2012
RD	10-15-2012	12-15-2012
IRA	#	#
RA(C)	12-15-2012	02-15-2013
RA(O)	03-15-2014	09-15-2055
LTM	#	#

Site Narrative: The Mid-Valley Groundwater Area (PICA-204) is divided into three MNA VOC plumes (northern, western, and Robinson Run) and two MNA RDX plumes emanating from past operations and former storage/disposal areas. The RDX groundwater contamination is emanating from remaining soil contamination at former ordnance operation areas at PICA-171 and PICA-173. The Mid-Valley region at Picatinny Arsenal consists of groundwater under initial study Areas F, G, H, and the northwestern part of Area L. In addition, PICA-204 includes three LTM IRP Sites: Shell Burial Grounds Site #5 (PICA-162), Shell Burial Grounds Site #6 (PICA-052), and Former DRMO Area (PICA-072). The RI was completed in 2005, and the FS was completed in 2009. A FS Addendum was approved in 2012 to address VOC contamination near Bldg. 3109 which required in-situ bioremediation to enhance MNA of the Robinson Run VOC Plume in the shallow aquifer, weathered-bedrock and deeper component bedrock aquifers. The PP and ROD were completed/signed in 2012. The ROD includes enhanced bioremediation, MNA and LUC. The LUCs, MNA and enhanced bioremediation have been ongoing since 2013. The RD was approved in 2013. The last bioremediation injection event occurred in March 2023. A cleanup timeframe for VOCs is approximately 25 years for the unconfined/weathered bedrock aquifer and 46 years for the bedrock aquifer. In addition, the overall remedial timeframe for RDX is approximately 35 to 46 years to meet ROD SCLs. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1170 - AREA B GROUNDWATER

CRL ID: 34855.1170

Env Site ID: PICA-205

Alias: AREA B GW

Regulatory Driver: CERCLA

RIP Date: 04-30-2009

RC Date: 09-15-2032

RC Reason:

Site Closeout Date: 09-15-2032

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	09-30-1993	04-30-1996
SI	#	#
RI/FS	08-31-1996	04-15-2009
RD	04-30-2006	04-15-2009
IRA	#	#
RA(C)	04-30-2006	04-16-2009
RA(O)	04-30-2009	09-15-2032
LTM	#	#

Site Narrative: Area B addresses the contaminated groundwater at two RI concept sites, Site 20 (a pyrotechnic range) and Site 24 (a sanitary landfill). The area is approximately 28 acres and is located in the southern portion of Picatinny Arsenal. Documentation indicates that fly ash, ordnance, industrial waste, and sludge from the water treatment plant were reportedly disposed of at Site 24 until 1972. The RI was completed in 2004. The COCs in groundwater are vinyl chloride, PCE, TCE, 1,1-dichloroethane and cis-dichloroethane. The PP was finalized in 2005 and the ROD was complete in 2009. The remedy is in situ amendment injections and MNA. Amendment injections and monitoring have been ongoing since 2008. VOC concentrations have been decreasing across the site. The ROD estimated that the concentrations of COCs within groundwater would reach the soil cleanup levels within seven years, but it is taking longer. Therefore, degradation of residual vinyl chloride is expected to continue as total organic carbon within groundwater is depleted and the groundwater conditions transition from an anaerobic/reducing to aerobic environment. Annual reports continue to be submitted with the results and analysis of the sampling required by the approved RD of groundwater and surface water. The 2016 five-year review determined that the remedy is performing as expected. Continue RA(O) until the groundwater meets the RAO levels. Annual reports will be submitted. Groundwater is expected to be cleaned by 2026. Injections and MNA will continue until UU/UE is achieved.

34855.1171 - AREA C GROUNDWATER

CRL ID: 34855.1171

Env Site ID: PICA-206

Alias: PICA-206

Regulatory Driver: CERCLA

RIP Date: 09-16-2009

RC Date: 09-16-2009

RC Reason: All Required Cleanup Completed

Site Closeout Date: 09-15-2055

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	09-30-1993	04-30-1996
SI	#	#
RI/FS	08-31-1996	09-15-2009
RD	08-15-2009	09-15-2009
IRA	#	#
RA(C)	09-15-2009	09-16-2009
RA(O)	#	#
LTM	11-30-2009	09-15-2055

Site Narrative: PICA-206 is known as Area C Groundwater and addresses approximately 126 acres in the southwestern portion of Picatinny Arsenal, near the southern boundary of the arsenal. The site addresses the groundwater at the following six sites- Site 19 - Pyrotechnic Demonstration Area, Site 23 - Post Farm Landfill, Site 25 - Sanitary Landfill, Site 26 - Dredge Piles from Green Pond Brook, Site 163 - Baseball Fields, and Site 180 - Waste Burial Area. During the RI, groundwater was found to be contaminated by solvents and metals. An FS was completed in 2005, the PP was issued in 2007, and the ROD with LUCs and LTM was signed in September 2009. The RD was finalized in 2009 and LTM began in 2009. The LUCs and LTM will continue in accordance with the approved RD. The Army will continue the sampling of the southern boundary wells for explosives, metal, and volatile organics. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1172 - STORAGE BUILDING 63

CRL ID: 34855.1172

Env Site ID: PICA-207

Alias: PICA-207

Regulatory Driver: CERCLA

RIP Date: 08-15-2030

RC Date: 08-15-2030

RC Reason:

Site Closeout Date: 08-15-2059

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	09-30-1993	04-30-1996
SI	#	#
RI/FS	08-31-1996	06-15-2026
RD	08-15-2026	08-15-2028
IRA	#	#
RA(C)	08-15-2028	08-15-2030
RA(O)	#	#
LTM	08-15-2030	08-15-2059

Site Narrative: PICA-207 is a consolidated site and addresses itself and five other concept plan sites. PICA-207 is a lumber and transformer storage facility. Site 187 was an oil and acid storage building. Site 52/95/96 is an area that was used for vehicle maintenance, petroleum storage, an explosives-contaminated laundry, and a solvent storehouse. Site 173 was a solid propellant testing laboratory. The RI, which was completed in 2015 found very low levels of PAHs and arsenic in soil at sites 52/95/96 and the oil and acid storage building. A PP was submitted and to regulators Nov 2019. The ROD for PICA-207 will be submitted for regulatory review. The expected remedy is dig and haul for PAHs exceeding acceptable risk levels at site 173 and LUCs at the remaining sites. An RD will be submitted for the remedial action and long-term monitoring of land use. The site will also be evaluated in the five-year reviews. The expected remedy is dig and haul for petroleum hydrocarbons exceeding acceptable risk levels at the solid propellant testing laboratory and LUCs at the remaining sites except for Site 187, which recommends NFA. A PP is currently being developed. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1174 - BUILDING 167, LOCOMOTIVE AREA,

CRL ID: 34855.1174

Env Site ID: PICA-209

Alias: PICA-209

Regulatory Driver: CERCLA

RIP Date: 08-15-2028

RC Date: 08-15-2028

RC Reason:

Site Closeout Date: 08-15-2057

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	09-30-1993	04-30-1996
SI	08-31-1996	06-30-1998
RI/FS	09-30-1998	02-15-2028
RD	#	#
IRA	08-31-2003	10-31-2004
RA(C)	02-15-2028	08-15-2028
RA(O)	#	#
LTM	08-15-2028	08-15-2057

Site Narrative: PICA-209 consists of five separate buildings or former buildings (Building 167 used as a nuclear test facility, Building 303 contained two waste pits that drained wastewater and spent petroleum products, Building 426 was used as a mixing house, Building 426A use is unknown, and Building 430 was used to produce and test small batches of nitroglycerine in Area F. This site is 45 Site Group C. Samples were collected and metals, explosives, and PAHs were detected in the soil. VOCs, explosives, and metals were identified in the groundwater. Prior to 1951, Building 167 had no system in place for lab waste removal and it was assumed the waste was hand carried out of the building. After 1951, all wastes were discharged into holding tanks. Building 430 was converted into a propellant process lab in the 1950s. The waste was discharged into three lead catch tanks. Overflow pipes discarded directly onto the soil surface. Lead was also a health concern at these two buildings. An IRA was conducted. Approximately 145 cy of contaminated soil (PAHs from Building 167, lead/explosives from Building 430, and lead from Buildings 303 and 430) were removed in 2003 and 2004. Lead was also a health concern at Buildings 167 and 430. An IRA was conducted. Approximately 145 cy of contaminated soil (PAHs from Building 167, lead/explosives from Building 430, and lead from Buildings 303 and 430) were removed in 2003 and 2004. Groundwater contamination is addressed as part of the Mid-Valley groundwater ROD. The site is in the RI/FS phase. The PP is under regulatory review; the expected remedy is NFA with monitoring of land use. The Army will finalize and public notice the PP, and the NFA with monitoring of land use ROD will be signed. After the ROD is completed, the Army will conduct the required annual LTM inspections and develop the certification reports required by the ROD. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1191 - Former Skeet Range

CRL ID: 34855.1191

Env Site ID: CC-057

Alias:

Regulatory Driver: OTHER

RIP Date: 09-30-2028

RC Date: 09-30-2028

RC Reason:

Site Closeout Date: 09-30-2057

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 42.3

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	11-30-2008	01-31-2009
SI	01-31-2009	06-30-2010
RI/FS	03-31-2010	11-30-2024
RD	11-30-2024	09-30-2026
IRA	#	#
RA(C)	09-30-2026	09-30-2028
RA(O)	#	#
LTM	09-30-2028	09-30-2057

Site Narrative: The site was used as a skeet range and archery range. This group name is Mortar and Skeet. Aerial photos also indicate there was extensive historical fill operations in this area. The site is situated within a floodplain and partially within a wetland. A high level of lead in the soil was first encountered in 2006. An investigation in 2008 further defined the problem and determined the lead and PAHs were from activities related to the closed Skeet Range. The area of the known soil contamination is approximately 2 acres. This site is located within the footprint of MMRP site PICA-006-R-01, and the two sites are being addressed together within the FS. The PP was approved by regulators and public noticed in 2020. The final ROD was signed in 2024. The selected remedy is surface MEC removal in the high density MEC area, contaminated soil/sediment removal and LUCs. The RD phase is underway. Cleanup will include both MMRP and IRP actions (soil removal, MEC clearance, and LUCs). Because it is anticipated that hazardous substances, pollutants, or contaminants (potential UXO concerns for MMRP portion of the site- PICA-006-R-01) will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1199 - EASTERN EDGE OF GREEN POND BROOK

CRL ID: 34855.1199

Env Site ID: CC-211

Alias:

Regulatory Driver: CERCLA

RIP Date: 04-25-2029

RC Date: 04-25-2029

RC Reason:

Site Closeout Date: 04-25-2029

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	02-15-2012	06-15-2014
SI	08-15-2014	06-15-2017
RI/FS	06-15-2017	03-15-2026
RD	03-15-2026	03-25-2028
IRA	06-16-2014	03-15-2021
RA(C)	03-25-2028	04-25-2029
RA(O)	#	#
LTM	#	#

Site Narrative: The Site Eastern Edge of Green Pond Brook is a small area (500 feet by 10 feet) along the eastern bank of Green Pond the brook across from the former DRMO Yard that was used as a fill area in the past. RI sediment and soil sampling found numerous metals including antimony, arsenic, copper, lead, and zinc at concentrations above their respective LOCs. The RI fieldwork was completed in 2018 with the associated RI report submitted in 2019. The RI/FS is underway which will determine if any action is needed at this site. The RI/FS report is under regulatory review. The RI/FS phase is underway, Once the RI/FS is approved the Army will complete the PP and ROD. An RD will be prepared for the assumed soil dig and haul remedy which will result in UU/UE.

34855.1201 - PFAS

CRL ID: 34855.1201

Env Site ID: PICA-PFAS

Alias:

Regulatory Driver: CERCLA

RIP Date: 02-02-2029

RC Date: 02-02-2029

RC Reason:

Site Closeout Date: 02-02-2029

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: YES

Emerging Contaminants Type: PFAS

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	09-30-2017	09-27-2018
SI	09-28-2018	04-30-2022
RI/FS	01-03-2022	02-02-2029
RD	#	#
IRA	#	#
RA(C)	#	#
RA(O)	#	#
LTM	#	#

Site Narrative: The per- and polyfluoroalkyl substances (PFAS) PA/SI report is under Army review and was submitted for regulatory review in early 2021. The PA/SI identified 10 areas of potential interest (AOPI)- Building 169 – Firehouse 1; Buildings 3316/3321 – Firehouse 2; Former Pyrotechnic Area and Sanitary Landfill; Former Lower Burning Grounds; Area 1222 - Gorge; Lawn to the North of Building 3409/3410; Former Building 24; Post Farm Landfill; Former Wastewater Treatment Plant Facility; and Building 3801 – New Jersey Army National Guard Helipad Area. The PA/SI has been approved by regulators in 2022. PFOS and PFOA were detected in groundwater, indicating a release. Therefore, a remedial investigation is underway.

34855.1202 - OFF-RANGE AREA 1

CRL ID: 34855.1202

Env Site ID: PICA-211

Alias:

Regulatory Driver: CERCLA

RIP Date: 09-28-2029

RC Date: 09-28-2029

RC Reason:

Site Closeout Date: 09-28-2029

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	02-01-2017	08-01-2018
SI	02-01-2017	08-22-2018
RI/FS	05-08-2020	09-28-2029
RD	#	#
IRA	#	#
RA(C)	#	#
RA(O)	#	#
LTM	#	#

Site Narrative: The Off-Range Area 1 site addresses contaminants that have migrated off operational ranges 1 and 2 at Picatinny Arsenal. Site environmental conditions at on-range portions of the Picatinny Arsenal active testing ranges have been evaluated as part of various investigations since the late-1990s. One of the objectives of these investigations has been to determine whether or not contaminants originating from range sources are migrating off-range. Results from a 2014 Operational Range Assessment Program (ORAP) Phase II investigation indicated that munitions contaminants of concern (MCOC) associated with Operational Ranges 1, 2, 5, 6, 7, and 8 may be migrating off of the ranges at concentrations that could pose an unacceptable risk to human and/or ecological receptors in off-range areas. This SI was prepared to evaluate the presence or absence of MCOCs above project action limits (PAL) in off-range surface water, sediment, and groundwater immediately downgradient of Operational Ranges 1, 2, 5, 6, 7, and 8. Off-range Area 1 includes Operational Ranges 1 and 2. Explosives and metals were the focus of Off-Range sampling along surface water and sediment migratory pathways downgradient of Operational Range 2. The surface water data indicate that RDX, copper, lead, and zinc (as well as non-MCOC metals) were present in surface water downgradient of Operational Range 2 were less than PALs. Lead and the non-MCOC metals arsenic and mercury were detected in surface water samples at concentrations greater than PALs. Three explosive compounds were detected in the off-range sediment samples, although none of the detected concentrations were greater than PALs. The site is in the RI/FS phase and the Army will perform the RI and FS. Until the RI/FS is complete, it will not be known whether unacceptable risks exist or not, thus preventing future planning beyond the RI/FS phase.

34855.1203 - OFF-RANGE AREA 2

CRL ID: 34855.1203

Env Site ID: PICA-212

Alias:

Regulatory Driver: CERCLA

RIP Date: 09-28-2029

RC Date: 09-28-2029

RC Reason:

Site Closeout Date: 09-28-2029

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	01-01-2014	08-22-2018
SI	01-01-2014	08-22-2018
RI/FS	05-08-2020	09-28-2029
RD	#	#
IRA	#	#
RA(C)	#	#
RA(O)	#	#
LTM	#	#

Site Narrative: The Off-Range Area 2 site addresses contaminants that have migrated off operational ranges 5 and 6 at Picatinny Arsenal. Environmental conditions at on-range portions of the Picatinny Arsenal active testing ranges have been evaluated as part of various investigations since the late-1990s. One of the objectives of these investigations has been to determine whether or not contaminants originating from range sources are migrating off-range. Results from a 2014 ORAP Phase II investigation indicated that MCOCs associated with Operational Ranges 1, 2, 5, 6, 7, and 8 may be migrating off of the ranges at concentrations that could pose an unacceptable risk to human and/or ecological receptors in off-range areas. This SI was prepared to evaluate the presence or absence of MCOCs above PALs in off-range surface water, sediment, and groundwater immediately downgradient of Operational Ranges 1, 2, 5, 6, 7, and 8. Off-Range Area 2 consists of ranges 5, and 6. The site is in the RI/FS phase and the Army will perform the RI and FS. Until the RI/FS is complete, it will not be known whether unacceptable risks exist or not, thus preventing future planning beyond the RI/FS phase.

34855.1204 - OFF-RANGE AREA 3

CRL ID: 34855.1204

Env Site ID: PICA-213

Alias:

Regulatory Driver: CERCLA

RIP Date: 09-28-2029

RC Date: 09-28-2029

RC Reason:

Site Closeout Date: 09-28-2029

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	01-01-2014	08-22-2018
SI	01-01-2014	08-22-2018
RI/FS	05-08-2020	09-28-2029
RD	#	#
IRA	#	#
RA(C)	#	#
RA(O)	#	#
LTM	#	#

Site Narrative: The Off-Range Area 3 site addresses contaminants that have migrated off operational ranges 7 and 8 at Picatinny Arsenal. Environmental conditions at on-range portions of the Picatinny Arsenal active testing ranges have been evaluated as part of various investigations since the late-1990s. One of the objectives of these investigations has been to determine whether or not contaminants originating from range sources are migrating off-range. Results from a 2014 ORAP Phase II investigation indicated that MCOCs associated with Operational Ranges 1, 2, 5, 6, 7, and 8 may be migrating off of the ranges at concentrations that could pose an unacceptable risk to human and/or ecological receptors in off-range areas. Off-Range Area 2 consists of ranges 7 and 8. ORAP Operational Range 7 is an active testing area with enclosed above-test grade structures. A small, unnamed tributary run along the eastern side of the site and discharges to Green Pond Brook downstream of Range 8 to the west, which ultimately discharges to Picatinny Lake. Based on the conclusions of the ORAP Phase II, RDX was identified as possibly migrating from ORAP Operational Range 7. Migratory pathways of RDX and lead from ORAP Operational Range 7 to Off-Range areas would include surface water, sediment, and groundwater. Green Pond Brook flows south through the Gorge along the western wall and forms a small pond near the middle of the Gorge. Based on conclusions of the ORAP Phase II investigation which evaluated historical IRP and annual ODA results for soil, surface water, sediment, and or groundwater samples, this range was referred for additional investigation due to lead and RDX observed in both surface water and groundwater that is potentially migrating from the range. The site is in the RI/FS phase and the Army will perform the RI and FS. Until the RI/FS is complete, it will not be known whether unacceptable risks exist or not, thus preventing future planning beyond the RI/FS phase.

34855.1205 - Water Tower

CRL ID: 34855.1205

Env Site ID: PICA-214

Alias:

Regulatory Driver: CERCLA

RIP Date: 09-28-2029

RC Date: 09-28-2029

RC Reason:

Site Closeout Date: 09-28-2029

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	02-08-2018	08-27-2018
SI	08-08-2018	08-27-2018
RI/FS	05-08-2020	09-28-2029
RD	#	#
IRA	#	#
RA(C)	#	#
RA(O)	#	#
LTM	#	#

Site Narrative: The Water Tower Site addresses lead contaminated soil found adjacent to a water tower in a residential area of Picatinny Arsenal. As part of an investigation related to the installation of a cellular antenna, three soil samples were taken (from six to 12 inches below the surface) inside the water tower fence (Building 3254). The results (between 800-850 ppm) all indicated lead concentrations above the NJ residential direct contact soil cleanup criteria of 400 ppm. Various water towers have been at this location since 1918. It is believed that the elevated concentrations of lead in the soil are due to old paint either peeling or being scraped off prior to re-painting. Lead paint was eventually banned for use in homes in 1978 but was still used commercially after that. In the most recent painting of the tower the paint being scraped off and the new paint being applied did not contain lead. Since the water tower was located near a residential area, Picatinny Arsenal thought it would be prudent to sample the soil outside of the fence. Nine additional surface soil samples were taken (four inside the fence and five outside the fence). Concentrations and locations are shown on the map. The outside samples were taken 10 feet away from the fence. In the open area adjacent to the residence two of the three samples exceeded the residential standard. The levels found were 649 ppm lead and 461 ppm lead, the third sample nearest the residential area was 56 ppm lead. The 56 ppm could be considered natural or very slight lead contamination. Because of the two exceedances it was decided to prevent foot traffic in this area by erecting a snow fence. To further delineate the contamination eight more surface soil samples were taken, including three samples in the backyard of residential Building 3266. All eight of the delineation samples were below the NJ residential standard. The three samples taken in the backyard yielded results 25 ppm, 32ppm and 29ppm that were indicative of natural lead levels in the soil at Picatinny Arsenal. Therefore, indicating no contamination at these locations. The snow fence will be maintained to prevent any unnecessary foot traffic in this area until it can be determined the best way forward. The Army will perform the RI and FS. Until the RI/FS is complete, it will not be known whether unacceptable risks exist or not, thus preventing future planning beyond the RI/FS phase.

34855.1206 - PFAS-Former Chrome Plating Building 24

CRL ID: 34855.1206

Env Site ID: PICA07-PFAS

Alias: PFAS-Former Chrome Plating Building 24

Regulatory Driver: CERCLA

RIP Date: 02-02-2029

RC Date: 02-02-2029

RC Reason:

Site Closeout Date: 02-02-2029

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: YES

Emerging Contaminants Type: PFAS

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	09-28-2017	09-25-2018
SI	09-26-2018	04-28-2022
RI/FS	01-03-2022	02-02-2029
RD	#	#
IRA	#	#
RA(C)	#	#
RA(O)	#	#
LTM	#	#

Site Narrative: Former Building 24 was identified as an AOPI due to historical chromium plating operations. The chromium plating operations at Former Building 24 began in approximately 1942 and continued until about 1982. Former wastewater lagoons associated with Former Building 24 operations received process wastewater that could have potentially contained PFAS-containing wastes from chromium plating mist suppressants. These wastewater lagoons were clay-lined until 1981; therefore, they had the potential to release PFAS to the environment. PFOS and PFOA were detected in groundwater, indicating a release. Therefore, a remedial investigation is underway.

34855.1207 - PFAS-Building 3801 – NJ ARNG Helipad

CRL ID: 34855.1207

Env Site ID: PICA09-PFAS

Alias: Building 3801 – New Jersey Army National
Guard Helipad Area

Regulatory Driver: CERCLA

RIP Date: 02-02-2029

RC Date: 02-02-2029

RC Reason:

Site Closeout Date: 02-02-2029

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: YES

Emerging Contaminants Type: PFAS

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	09-29-2017	09-26-2018
SI	09-27-2018	04-29-2022
RI/FS	01-03-2022	02-02-2029
RD	#	#
IRA	#	#
RA(C)	#	#
RA(O)	#	#
LTM	#	#

Site Narrative: In 1988 or 1989, the PICA Fire Department utilized AFFF to respond to a fire that occurred on a concrete slab adjacent to Building 3801 at the NJARNG Helipad area. Approximately 20 gallons of 3 to 6% AFFF were used to extinguish the fire and were released directly on the concrete pad, with potential for migration to surrounding soils. PFOS and PFOA were detected in groundwater, indicating a release. Therefore, a remedial investigation is underway.

34855.1208 - PFAS-Building 169 – Firehouse 1

CRL ID: 34855.1208

Env Site ID: PICA02-PFAS

Alias: Building 169 – Firehouse 1

Regulatory Driver: CERCLA

RIP Date: 02-02-2029

RC Date: 02-02-2029

RC Reason:

Site Closeout Date: 02-02-2029

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: YES

Emerging Contaminants Type: PFAS

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	09-29-2017	09-26-2018
SI	09-27-2018	04-29-2022
RI/FS	01-03-2022	02-02-2029
RD	#	#
IRA	#	#
RA(C)	#	#
RA(O)	#	#
LTM	#	#

Site Narrative: Building 169 – Firehouse 1 was identified as an AOPI due to AFFF use related to firehouse operations. Building 169 – Firehouse 1 is the most recently constructed firehouse currently utilized by the PICA Fire Department. An estimated 55 gallons of AFFF have been released during nozzle testing and hose cleanouts at this location. PFOS and PFOA were detected in groundwater, indicating a release. Therefore, a remedial investigation is underway.

34855.1209 - PFAS-Former WWTP Facility

CRL ID: 34855.1209

Env Site ID: PICA08-PFAS

Alias: Former WWTP Facility

Regulatory Driver: CERCLA

RIP Date: 02-02-2029

RC Date: 02-02-2029

RC Reason:

Site Closeout Date: 02-02-2029

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: YES

Emerging Contaminants Type: PFAS

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	09-29-2017	09-26-2018
SI	09-27-2018	04-29-2022
RI/FS	01-03-2022	02-02-2029
RD	#	#
IRA	#	#
RA(C)	#	#
RA(O)	#	#
LTM	#	#

Site Narrative: The Former WWTP Facility was identified as an AOPI due to the possibility of AFFF rinse reaching the WWTP via the sanitary sewer system. During the PA site reconnaissance, Arcadis noted sanitary sewer drains proximal to AFFF release locations. In addition, the PICA Fire Chief stated that AFFF was released into the floor drains at Building 169 – Firehouse 1, within the building bays during fire truck tank cleanouts and fire truck washing. AFFF rinses released to these floor drains within the bays were conveyed to the WWTP via the sanitary sewer system. PFOS and PFOA were detected in groundwater, indicating a release. Therefore, a remedial investigation is underway.

34855.1210 - PFAS-Lawn North of Building 3409/3410

CRL ID: 34855.1210

Env Site ID: PICA06-PFAS

Alias: Lawn North of Building 3409/3410

Regulatory Driver: CERCLA

RIP Date: 02-02-2029

RC Date: 02-02-2029

RC Reason:

Site Closeout Date: 02-02-2029

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: YES

Emerging Contaminants Type: PFAS

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	09-29-2017	09-26-2018
SI	09-27-2018	04-29-2022
RI/FS	01-03-2022	02-02-2029
RD	#	#
IRA	#	#
RA(C)	#	#
RA(O)	#	#
LTM	#	#

Site Narrative: The Lawn to the North of Building 3409/3410 was identified as an AOPI due to AFFF use related to training operations. In the early 2010s, the Lawn to the North of Building 3409/3410 was used by the PICA Fire Department on multiple occasions as a location of AFFF training activities such as arc training and nozzle testing. An estimated 60 gallons of AFFF at a 3 to 6% concentration were released due to training in this area and were concentrated on the grassy and wooded portions. PFOS and PFOA were detected in groundwater, indicating a release. Therefore, a remedial investigation is underway.

34855.1211 - PFAS-Area 1222 – Gorge

CRL ID: 34855.1211

Env Site ID: PICA05-PFAS

Alias: Area 1222 – Gorge

Regulatory Driver: CERCLA

RIP Date: 02-02-2029

RC Date: 02-02-2029

RC Reason:

Site Closeout Date: 02-02-2029

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: YES

Emerging Contaminants Type: PFAS

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	09-29-2017	09-26-2018
SI	09-27-2018	04-29-2022
RI/FS	01-03-2022	02-02-2029
RD	#	#
IRA	#	#
RA(C)	#	#
RA(O)	#	#
LTM	#	#

Site Narrative: Area 1222 – Gorge was identified as an AOPI due to AFFF use related to historical fire responses. Prior to 1988, the PICA Fire Department used AFFF periodically to extinguish fires that started due to the munitions testing activities that occur in this area. It was noted that large volumes of AFFF were used in this area, but at a 1% concentration. AFFF was used due to the difficulty in extinguishing fires on the rocky topography associated with this area. PFOS and PFOA were detected in groundwater, indicating a release. Therefore, a remedial investigation is underway.

34855.1212 - PFAS-Former Lower Burning Grounds

CRL ID: 34855.1212

Env Site ID: PICA04-PFAS

Alias: Former Lower Burning Grounds

Regulatory Driver: CERCLA

RIP Date: 02-02-2029

RC Date: 02-02-2029

RC Reason:

Site Closeout Date: 02-02-2029

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: YES

Emerging Contaminants Type: PFAS

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	09-29-2017	09-26-2018
SI	09-27-2018	04-29-2022
RI/FS	01-03-2022	02-02-2029
RD	#	#
IRA	#	#
RA(C)	#	#
RA(O)	#	#
LTM	#	#

Site Narrative: The Former Lower Burning Grounds was identified as an AOPI due to AFFF use related to historical fire responses. The PICA Fire Department used AFFF intermittently in this area to extinguish lingering fires due to difficulty associated with extinguishing fires on the peaty grounds in this area. The specific AFFF used, and overall volume used over time, are unknown. The majority of these responses involving AFFF happened prior to the early 1990s. PFOS and PFOA were detected in groundwater, indicating a release. Therefore, a remedial investigation is underway.

34855.1213 - PFAS-Former Pyro Area and Sanitary Lan

CRL ID: 34855.1213

Env Site ID: PICA03-PFAS

Alias: Former Pyrotechnic Area and Sanitary
Landfill

Regulatory Driver: CERCLA

RIP Date: 02-02-2029

RC Date: 02-02-2029

RC Reason:

Site Closeout Date: 02-02-2029

Program: ER,A

Subprogram: IR

NPL Status: YES

HRS Score: 43

RRSE: Data not Available

RCWM: NO

Emerging Contaminants: YES

Emerging Contaminants Type: PFAS

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	09-29-2017	09-26-2018
SI	09-27-2018	04-29-2022
RI/FS	01-03-2022	02-02-2029
RD	#	#
IRA	#	#
RA(C)	#	#
RA(O)	#	#
LTM	#	#

Site Narrative: Prior to 1990, AFFF was utilized once or twice a year by the PICA Fire Department to extinguish lingering fires on the peaty grounds associated with this area; it is unknown what specific product or volume of AFFF was released. PFOS and PFOA were detected in groundwater, indicating a release. Therefore, a remedial investigation is underway.

SITE LEVEL INFORMATION

PICATINNY ARSENAL

MUNITIONS RESPONSE PROGRAM SITES

34855.1176 - Lakes

CRL ID: 34855.1176

Env Site ID: PICA-008-R-01

Alias:

Regulatory Driver: CERCLA

RIP Date: 09-30-2030

RC Date: 09-30-2030

RC Reason:

Site Closeout Date: 09-30-2059

Program: ER,A

Subprogram: MR

NPL Status: NO

HRS Score: 0

MRSP: 02

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	12-10-2002	12-09-2003
SI	02-28-2006	05-31-2008
RI/FS	10-31-2009	09-30-2026
RD	09-30-2026	09-30-2027
IRA	02-15-2010	09-30-2030
RA(C)	09-30-2027	09-30-2030
RA(O)	#	#
LTM	09-30-2030	09-30-2059

Site Narrative: The Lakes Munitions Response Site (MRS) is composed of Lake Denmark and Picatinny Lake which were both used historically as ranges. This MRS covers 741 acres and includes the lakes as well as some adjacent land. Lake Denmark is located in the northern portion of the installation and was used as a mortar impact area and an experimental munitions testing range. Three ranges [60 millimeter (mm), 81mm, and 4.2-inch inert projectile ranges] were identified. These ranges shared a single firing point on the southern end of the lake but had several lines of fire. Several impact areas were located on the northern end of the lake. A 20mm cannon range that fired across Lake Denmark toward an impact area near Building 1221 was also identified. Picatinny Lake is located in the central portion of the installation and has had several uses, including a range and a testing and storage area. A three-inch Barbette gun firing range was previously located on the southeast shore of the lake; the impact area was located across the lake near Buildings 810 and 824. Flare Island, an artificial island, was formerly used to test flares and pyrotechnics. The lake was also used for the underwater storage of smokeless powder and explosives. The RI was final in 2014. MEC are the COCs in soil and sediment. NTCRA LUCs are in place at the site. The FS was approved in 2020. The site is in the RI/FS phase. The PP is underway and will be completed, as will the ROD. The proposed remedy MEC removal and LUCs. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1179 - Former Operational Areas

CRL ID: 34855.1179

Env Site ID: PICA-006-R-01

Alias:

Regulatory Driver: CERCLA

RIP Date: 09-30-2032

RC Date: 09-30-2032

RC Reason:

Site Closeout Date: 09-30-2061

Program: ER,A

Subprogram: MR

NPL Status: NO

HRS Score: 0

MRSP: 03

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	12-10-2002	12-09-2003
SI	02-28-2006	05-31-2008
RI/FS	10-15-2009	09-30-2027
RD	09-30-2027	09-29-2029
IRA	02-15-2010	09-29-2029
RA(C)	09-30-2029	09-30-2032
RA(O)	#	#
LTM	09-30-2032	09-30-2061

Site Narrative: This MRS covers approximately 1,651 acres in the south, southwest and northcentral portions of the installation. Throughout the years there have been numerous UXO items found at this MRS. According to an installation survey report from 1973, this area of the installation was used for munitions and weapons research, development, and testing. The RI was completed in 2014. MEC are the COCs in soil and sediment. NTCRA LUCs are in place at the site. The FS was approved in 2020. The site is in the RI/FS phase. The PP is underway and will be completed, as will the ROD. The proposed remedy will be MEC removal and LUCs. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1184 - Shell Burial Grounds

CRL ID: 34855.1184

Env Site ID: PICA-010-R-01

Alias:

Regulatory Driver: CERCLA

RIP Date: 12-30-2027

RC Date: 12-30-2027

RC Reason:

Site Closeout Date: 12-29-2057

Program: ER,A

Subprogram: MR

NPL Status: NO

HRS Score: 0

MRSP: 05

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	12-10-2002	12-09-2003
SI	02-28-2006	05-31-2008
RI/FS	10-31-2009	03-15-2026
RD	03-15-2026	09-29-2026
IRA	03-15-2012	09-29-2027
RA(C)	09-30-2026	12-30-2027
RA(O)	#	#
LTM	12-30-2027	12-29-2057

Site Narrative: In 1926, a massive explosion occurred at the then Lake Denmark Naval Ammunition Depot, destroying the facility and spreading munitions and debris in all directions up to one mile. This explosion created three large craters which were then used as burial grounds for the explosion related debris found during the cleanup and rebuilding effort. Materials that were disposed of at these burial grounds include projectiles, mines, depth charges, fuses, explosives, small arms ammunition, propellants, and possibly rocket fuels. The Navy continued to use these craters for explosives disposal until 1945. It was also reported that the craters potentially contain acids, pickling liquors, cyanide, and phenol. After the Navy discontinued its use of these areas, they were covered with 20 feet of fill, bringing them up to grade. The two western craters became one pit after being filled (four acres). The eastern pit is 1.5 acres. These two locations near the center of the installation are the Shell Burial Grounds MRS. Both burial grounds are fenced and posted with warning signs. The remedial investigation was completed in 2014. MEC are the COCs in soil. NTCRA LUCs are in place at the site. The FS was approved by regulators in 2019. The PP has been under regulatory review since November 2019. The proposed remedy is LUCs. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1185 - 1926 EXPLOSION SITE-TD

CRL ID: 34855.1185

Env Site ID: PICA-004-R-01

Alias:

Regulatory Driver: CERCLA

RIP Date: 09-30-2030

RC Date: 09-30-2030

RC Reason:

Site Closeout Date: 09-30-2059

Program: ER,A

Subprogram: MR

NPL Status: NO

HRS Score: 0

MRSP: 02

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	12-10-2002	12-09-2003
SI	02-28-2006	05-31-2008
RI/FS	09-03-2009	09-29-2027
RD	#	#
IRA	11-15-2007	09-30-2030
RA(C)	09-30-2028	09-30-2030
RA(O)	#	#
LTM	09-30-2030	09-30-2059

Site Narrative: This MRS consists of all off-post properties that fall within the one-mile (1,609 meters) radius of the center of the 1926 Lake Denmark Naval Ammunition Depot explosion. The MRS consists of 838 acres and consists of forested land, residential and commercial property, including the Mt. Hope Quarry, which covers the largest area of this MRS. The MRS is located adjacent to the installation's eastern boundary. Munitions have been found and removed from the quarry. Several TCRAs were conducted between 2006 and 2011 to clear land of munitions before mining activity. The RI was completed in 2014 and the FS is underway. MEC are the COCs in soil and sediment. The FS, PP and ROD will be completed. The proposed remedy is MEC removal and LUCs. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1186 - 1926 Explosion Radius

CRL ID: 34855.1186

Env Site ID: PICA-003-R-01

Alias:

Regulatory Driver: CERCLA

RIP Date: 09-28-2031

RC Date: 09-28-2031

RC Reason:

Site Closeout Date: 09-29-2060

Program: ER,A

Subprogram: MR

NPL Status: NO

HRS Score: 0

MRSP: 03

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	12-10-2002	12-09-2003
SI	02-28-2006	05-31-2008
RI/FS	10-31-2009	09-30-2026
RD	09-30-2026	09-28-2028
IRA	10-15-2012	09-28-2028
RA(C)	09-30-2028	09-28-2031
RA(O)	#	#
LTM	09-29-2031	09-29-2060

Site Narrative: PICA-003-R-01 is known as the 1926 Explosion Radius MRS and includes the on-post area affected by the 1926 explosion at the Lake Denmark Naval Ammunition Depot. The MRS consists of 1,603 acres which includes 833 acres of forested land, residential and commercial/industrial/recreational property. Munitions have been found and removed from the quarry. Several TCRA's were conducted between 2006 and 2011 to clear land of munitions before mining activity. The RI was completed in 2014 and the FS was approved in 2020. The RI was completed in 2014 and MEC was found in soil and sediment. The COCs are MEC. The site is in the RI/FS phase. The PP is underway and will be completed, as will the ROD. The proposed remedy will be MEC removal in high density areas and LUCs. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1188 - Lake Denmark - Off-Post

CRL ID: 34855.1188

Env Site ID: PICA-012-R-01

Alias:

Regulatory Driver: CERCLA

RIP Date: 09-25-2035

RC Date: 09-25-2035

RC Reason:

Site Closeout Date: 09-26-2035

Program: ER,A

Subprogram: MR

NPL Status: NO

HRS Score: 0

MRSP: 03

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	12-31-2002	12-31-2003
SI	02-28-2006	05-31-2008
RI/FS	10-31-2009	09-25-2035
RD	#	#
IRA	#	#
RA(C)	#	#
RA(O)	#	#
LTM	#	#

Site Narrative: This MRS covers approximately 96 acres to the northeast of the installation and consists of all off-post property that falls under the safety fan of the Lake Denmark ranges. This site contains commercial and light industrial properties as well as forested land. No munitions have been found on this MRS, but due to access restrictions, the Army has not been able to fully characterize the site. Although no munitions have been found, MEC are assumed to be the COCs in soil and sediment. A PP is currently underway; to be followed by the ROD. The PP is underway and will be completed, as will the ROD. Until the RI/FS phase is complete, it will not be known whether unacceptable risks exist or not, thus preventing future planning beyond the RI/FS phase.

34855.1189 - Inactive Munitions Waste P

CRL ID: 34855.1189

Env Site ID: PICA-013-R-01

Alias:

Regulatory Driver: CERCLA

RIP Date: 09-29-2026

RC Date: 09-29-2026

RC Reason:

Site Closeout Date: 09-29-2055

Program: ER,A

Subprogram: MR

NPL Status: NO

HRS Score: 0

MRSP: Data not Available

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	12-31-2002	12-31-2003
SI	02-28-2006	11-30-2011
RI/FS	04-30-2011	11-30-2019
RD	08-15-2020	05-30-2023
IRA	03-15-2012	05-30-2025
RA(C)	06-01-2023	09-29-2026
RA(O)	#	#
LTM	09-29-2026	09-29-2055

Site Narrative: The munitions response site (MRS) covers 0.35 acres within the 53-acre 600 Hill site along the installation's western boundary, just northwest of the northernmost end of Picatinny Lake. This site was reportedly used from 1955 to the mid-1980s for the testing and storage of munitions and explosives. The site consists of forested land, an open field with a burn cage and a disposal pit. Munitions and explosives of concern (MEC) and munitions have been found in the pit. MEC are the contaminants of concern (COCs) in soil. Trichloroethylene (TCE) is the COC in groundwater, which is addressed under the Installation Restoration Program Site PICA-058. Non-time critical removal action land use controls (LUCs) are in place at the site. The remedial investigation was finalized in 2014, and the feasibility study was approved in 2017. The proposed plan was approved in 2018, and the record of decision (final remedy selection) was finalized in 2019. The remedial action- construction (RA-C) and interim removal action phases (for LUCs) are currently underway. The final remedy included total munitions and waste pit removal, TCE source material removal, and LUCs, which will be designed and implemented as final CERCLA LUCs. It is anticipated that hazardous substances, pollutants, or contaminants (MEC) may remain at the site at concentrations exceeding levels that allow for unlimited use and unrestricted exposure; therefore, annual inspections and five-year reviews will continue indefinitely.

34855.1190 - Inactive Munitions Waste P

CRL ID: 34855.1190

Env Site ID: PICA-014-R-01

Alias:

Regulatory Driver: CERCLA

RIP Date: 08-15-2029

RC Date: 08-15-2029

RC Reason:

Site Closeout Date: 08-15-2029

Program: ER,A

Subprogram: MR

NPL Status: NO

HRS Score: 0

MRSP: 03

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	12-31-2002	12-31-2003
SI	02-28-2006	05-31-2008
RI/FS	10-31-2009	08-15-2029
RD	#	#
IRA	#	#
RA(C)	#	#
RA(O)	#	#
LTM	#	#

Site Narrative: This MRS covers 7.5 acres and consists of all off-post property that falls within the safety fan of the on-post Inactive Munitions Waste Pit MRS (i.e., within a 1,250-foot radius from the center of the inactive munitions waste pit MRS). The on-post site was reportedly used from 1955 to the mid-1980s for the testing and storage of munitions and explosives. Small amounts of munitions debris were found during the RI, but no MEC were found. Although none have been found, MEC are the COCs in soil. The PP was submitted to regulators in 2019 and is under review. The site is in the RI/FS phase. The PP is underway and will be completed, as will the ROD. Until the RI/FS phase is complete, it will not be known whether unacceptable risks exist or not, thus preventing future planning beyond the RI/FS phase.

34855.1197 - FUZE AREA

CRL ID: 34855.1197

Env Site ID: PICA-003-R-02

Alias:

Regulatory Driver: CERCLA

RIP Date: 09-29-2030

RC Date: 09-29-2030

RC Reason:

Site Closeout Date: 09-30-2059

Program: ER,A

Subprogram: MR

NPL Status: YES

HRS Score: 43.5

MRSP: 03

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	12-15-2002	12-15-2003
SI	02-15-2006	05-15-2008
RI/FS	10-15-2009	09-29-2026
RD	09-30-2026	09-28-2028
IRA	02-15-2017	09-29-2030
RA(C)	09-29-2028	09-29-2030
RA(O)	#	#
LTM	09-30-2030	09-30-2059

Site Narrative: The Fuze Area MRS is 1.63 acres in size in a wooded area located just northwest of the shell burial grounds and is characterized by a high concentration of MK2 base detonating and MK2 point detonating fuzes predominantly found on the ground surface. The release mechanism for these fuzes is unknown; however, a building foundation is directly adjacent to where the fuzes were found, thus it is possible that the fuzes may have been associated with the former building. MEC are the COCs in soil. NTCRA LUCs are in place at the site. An IRA and PP is currently underway. The draft PP was submitted to regulators for review in November 2020. The site currently is fenced off with signs as part of the interim LUCs. The site is in the RI/FS phase. The PP and the ROD will be finalized. The assumed remedy of complete surface MEC removal and LUCs will be implemented and followed by LTM. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

34855.1198 - FORMER OPERATIONAL AREAS M

CRL ID: 34855.1198

Env Site ID: PICA-006-R-02

Alias:

Regulatory Driver: CERCLA

RIP Date: 09-30-2028

RC Date: 09-30-2028

RC Reason:

Site Closeout Date: 09-30-2057

Program: ER,A

Subprogram: MR

NPL Status: YES

HRS Score: 43.5

MRSP: 03

RCWM: NO

Emerging Contaminants: NO

Emerging Contaminants Type:

Emerging Contaminants Information:

Phase	Begin Date	End Date
PA	12-15-2002	12-15-2003
SI	02-16-2006	05-15-2008
RI/FS	03-31-2010	11-30-2024
RD	11-30-2024	09-30-2026
IRA	#	#
RA(C)	09-30-2026	09-30-2028
RA(O)	#	#
LTM	09-30-2028	09-30-2057

Site Narrative: This MRS is a 190.5-acre area, located in the southcentral portion of Picatinny Arsenal. The area was determined to be an historical unmarked mortar range impact area that contained concentrated munitions. The RI was completed in 2014. Sixty-two MEC items, including 60mm and 81mm mortars, have been recovered. The MRS also overlaps a skeet range with lead and PAH contamination (IRP site CC-057). The calculated MEC density is approximately two items per acre. MEC are the COCs in soil and sediment. NTCRA LUCs are in place at the site. The remedy for this MRS is combined with IRP site CC-057 to address overlapping contamination. The PP was final in 2020. The ROD was completed/signed in 2024. The selected remedy is surface MEC removal in the high density MEC area, contaminated soil/sediment removal and LUCs. The RD phase is underway. Because it is anticipated that hazardous substances, pollutants, or contaminants (potential UXO concerns) will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

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SITE SUMMARY

SITE CLOSEOUT SUMMARY

CRL ID	Site Name	Program	Sub Program	Site Closeout Date
34855.1195	Open Detonation Area	CC	CC	10-15-2011
34855.1004	INACT.ROCKET FUEL TEST	ER,A	IR	06-30-2003
34855.1006	FORMER WASTE IMPOUNDMENT	ER,A	IR	06-30-2003
34855.1008	PHYS ANALYTICAL LAB	ER,A	IR	06-30-2003
34855.1011	FLUOROCHEMICAL STRG	ER,A	IR	06-30-2003
34855.1013	FORMER NG PROC AREA (1361A-1364	ER,A	IR	06-30-2003
34855.1015	BUILDINGS IN 300 AREA	ER,A	IR	06-30-2005
34855.1016	FORMER PROPELLANT PLANT(1010)(S	ER,A	IR	12-31-1996
34855.1017	FORMER HAZ WST TANK STOR(1380)(	ER,A	IR	06-30-2003
34855.1018	STEAM POWER PLANT BLDG 506(SITE	ER,A	IR	06-30-2003
34855.1020	SHELL BURIAL AREA(NEAR B-3100)(	ER,A	IR	06-30-2003
34855.1021	MUNITS&PROPLTS TST AREA/CHEM BU	ER,A	IR	05-31-2005
34855.1022	MUNITS&PROPLT TST AREA	ER,A	IR	02-28-1997
34855.1023	MUNITS&PROPLT TEST AREA	ER,A	IR	07-31-2001
34855.1024	FORMER CHEMICAL BURIAL AREA	ER,A	IR	06-30-2003
34855.1027	MUNITS/PYROTEC TEST AREA	ER,A	IR	02-28-1997
34855.1028	MUNITIONS TEST AREA SITE	ER,A	IR	06-30-2001
34855.1029	MUNITIONS TEST AREA	ER,A	IR	06-30-2001
34855.1030	PYROTECHNIC TESTING RANGE	ER,A	IR	03-31-2002
34855.1031	POACH HOUSE (520) (SITE 147)	ER,A	IR	06-30-2003
34855.1035	DREDGE PILE (SITE 26)	ER,A	IR	12-31-1996
34855.1036	PROPELLANT/CHEM/MATERIAL STORAG	ER,A	IR	06-30-2005
34855.1037	SEWAGE TRMT PLANT SLUDGE BEDS(B	ER,A	IR	12-31-1996
34855.1040	BLDG 553 STORAGE TANKS(SITE 32)	ER,A	IR	06-30-2003

34855.1041	BLDG 527A STORAGE TANKS (SITE 3	ER,A	IR	06-30-2003
34855.1045	VEHCL MAINT FORMER-WW PRETRTMT	ER,A	IR	10-31-2000
34855.1047	FORMER LAB PACK FAC (B-1094) S	ER,A	IR	06-30-2003
34855.1048	FORMER PCB STORAGE AREA (B-3114	ER,A	IR	06-30-2003
34855.1049	PESTICIDE STORAGE AREA (B-3157)	ER,A	IR	06-30-2003
34855.1050	Golf Course Maintenance(BLDG 39	ER,A	IR	03-31-2000
34855.1051	VEHICLE MAINTENCE (BLDG 33)SITE	ER,A	IR	07-31-2004
34855.1053	HEAVY EQUIP. MAINTENANCE(BLDG 3	ER,A	IR	06-30-2003
34855.1054	Auto Hobby Shop (BLDG 3315)- Si	ER,A	IR	11-30-2000
34855.1055	Soldering Storage Area (BLDG 19	ER,A	IR	03-31-1997
34855.1056	PETROLEUM LEAK AREA(BLDG 305)SI	ER,A	IR	06-30-2003
34855.1058	BASEBALL FIELDS (SITE 163)	ER,A	IR	12-31-1996
34855.1060	SURVEILLANCE LABORATORY	ER,A	IR	06-30-2004
34855.1061	PHOTO PROCESSING FAC	ER,A	IR	12-31-1996
34855.1064	METAL PLATING SHOP, BLDG 64 (SI	ER,A	IR	06-30-2005
34855.1065	BLDG 5, ARSENAL REPRTION & TRNG	ER,A	IR	12-31-1996
34855.1066	GRAPHIC REPRODUCTION & TRNG BLDG	ER,A	IR	12-31-1996
34855.1067	BLDG 163, PHOTOGRAPHY LAB (SITE	ER,A	IR	06-30-2004
34855.1069	BLDGS 161&162,CHEMICAL LAB(SITE	ER,A	IR	06-30-2003
34855.1070	PROPELLANT BAG FL	ER,A	IR	06-30-2003
34855.1071	PROPELLANT TEST (SITE	ER,A	IR	12-31-1996
34855.1072	BLDGS 172&183 & BLDGS IN 400 AR	ER,A	IR	06-30-2003
34855.1075	PROPELLANT PRO	ER,A	IR	06-30-2006
34855.1076	PROPELLANT CRUSHING(SI	ER,A	IR	03-31-2000
34855.1078	PROPELLANT PROCESSING(	ER,A	IR	12-31-1996

34855.1079	PROPELLANT FINISHING (	ER,A	IR	06-30-2003
34855.1080	EXPLOSIVE&PROPELLANT M	ER,A	IR	06-30-2005
34855.1081	POWDER PRESSING (SITE	ER,A	IR	06-30-2003
34855.1082	BLDGS 311&319, FORMER GAS STATI	ER,A	IR	06-30-2003
34855.1083	SERVICE SHOPS (SITE 13	ER,A	IR	06-30-2003
34855.1084	METALLURGY LAB, BLDG 315 (SITE	ER,A	IR	08-31-2001
34855.1085	BLDG 355,METALLURGY LAB (SITE	ER,A	IR	06-30-2003
34855.1086	FORMER BLDG 24 PLATING FACIL (S	ER,A	IR	06-30-2000
34855.1087	BUILDING 336 - EXPLOSIVE LAUNDR	ER,A	IR	09-30-2006
34855.1089	FORMER HAZ WASTE STOR/FUSE ASS(	ER,A	IR	06-30-2003
34855.1090	LOADING/DISASSEMBLY PLT	ER,A	IR	06-30-2003
34855.1091	MINE ASSEMBLY FACILITY	ER,A	IR	06-30-2003
34855.1092	EXP LOADING FACILITY	ER,A	IR	06-30-2003
34855.1093	MELT CASTING OPERATION (BLDG 23	ER,A	IR	06-30-2003
34855.1094	EXP PRESSING PLT (BLDGS235/236)	ER,A	IR	06-30-2003
34855.1095	CHANGE HOUSE SITE 12	ER,A	IR	06-30-2003
34855.1096	POWDER PRESS/PELLETING	ER,A	IR	06-30-2003
34855.1098	FORMER LOAD FACILITY (BDLGS271/	ER,A	IR	06-30-2003
34855.1099	CHANGE HOUSE (BUILDING 600) SIT	ER,A	IR	06-30-2003
34855.1104	ELECTROMAG. GUN TEST SHED(BLDG3	ER,A	IR	06-30-2003
34855.1105	AMMUN DEMO 1 ORD FAC	ER,A	IR	06-30-2003
34855.1106	POST ENG MAINT SHOP (BLDG 501)	ER,A	IR	06-30-2003
34855.1107	FORMER ENLISTED MENS BARRACKS(B	ER,A	IR	06-30-2003
34855.1108	PROPELLANT PLANT SITE	ER,A	IR	06-30-2003
34855.1110	PYROTECHNIC PLANT SITE	ER,A	IR	06-30-2003

34855.1112	PROPELLANT PLANT SITE	ER,A	IR	06-30-2003
34855.1113	ADMINISTRATION BLDG (BLDG 382)	ER,A	IR	06-30-2003
34855.1114	CHANGE HOUSE (BLDG 527) SITE 14	ER,A	IR	06-30-2003
34855.1116	PROPELLANT PLANT SITE	ER,A	IR	06-30-2003
34855.1117	Ordnance Bldgs	ER,A	IR	06-30-2003
34855.1118	ORDNANCE FAC SITE	ER,A	IR	06-30-2003
34855.1119	HIGH-EXP MAGAZINE SITE	ER,A	IR	06-30-2003
34855.1120	SUPPLIES & SER. BLDG (BLDG 975)	ER,A	IR	06-30-2003
34855.1122	REFRIG. & INERT GAS PLT(BLDG 52	ER,A	IR	06-30-2003
34855.1123	FORMER MOTORS/ROC FUEL TST AREA	ER,A	IR	06-30-2003
34855.1124	HELICOPTER MAINTENANCE	ER,A	IR	06-30-2005
34855.1125	PARKING AREA ACROSS FROM BLDG 3	ER,A	IR	06-30-2003
34855.1126	CHEM LAB & ADMIN BLDG (BLDG 340	ER,A	IR	06-30-2003
34855.1127	SEWAGE TRMT/CHEM LAB/FIREHOUSE/	ER,A	IR	06-30-2005
34855.1131	FORMER EXPLOSIVES LOADING (BLDG	ER,A	IR	06-30-2003
34855.1132	FORMER ORDNANCE FACILITY (BLDG	ER,A	IR	06-30-2003
34855.1133	FORMER PROP PLT/ORD FAC(BLDGS13	ER,A	IR	06-30-2003
34855.1134	PROPEL PLTS/PRESS HOUSE 1400,14	ER,A	IR	06-30-2003
34855.1135	PROP PLTS	ER,A	IR	06-30-2003
34855.1136	PROP MELT PLTS	ER,A	IR	06-30-2003
34855.1138	FORMER NITRATION BLDG (BLDG 103	ER,A	IR	06-30-2003
34855.1139	FORMER EX MAN/STOR(BLDGS1070,10	ER,A	IR	06-30-2003
34855.1140	FORMER PROP PLTS(BLDGS1354,1357	ER,A	IR	06-30-2003
34855.1142	LITTLE LEAGUE BASEBALL FIELD SI	ER,A	IR	06-30-2004
34855.1143	SAN SEWER SYSTEM BREAKS/LEAKS S	ER,A	IR	06-30-2004

34855.1144	ORDNANCE FAC	ER,A	IR	06-30-2003
34855.1145	ORDINANCE FACILITY	ER,A	IR	06-30-2003
34855.1146	FIELD OFF,DISASS	ER,A	IR	06-30-2003
34855.1147	ORDINANCE FAC	ER,A	IR	10-31-1997
34855.1148	MUN TEST RANGES	ER,A	IR	02-28-1997
34855.1149	GEN PURPOSE MAGAZINE	ER,A	IR	06-30-2004
34855.1151	PROP STORAGE	ER,A	IR	06-30-2003
34855.1152	PROPELLANT STORAGE	ER,A	IR	06-30-2003
34855.1153	CHEMICAL STORAGE (BLDG 57) SITE	ER,A	IR	06-30-2003
34855.1154	FORMER LABORATORY IN BLDG 350 S	ER,A	IR	06-30-2003
34855.1155	FIREHOUSE SITE	ER,A	IR	06-30-2003
34855.1156	OIL & ACID STORAGE	ER,A	IR	06-30-2005
34855.1157	FORMER COAL STORAGE AREA (BLDG	ER,A	IR	06-30-2003
34855.1160	GREEN POND BROOK	ER,A	IR	07-31-2000
34855.1162	AREA ""O"" OTHER BUILDINGS	ER,A	IR	07-31-1997
34855.1163	AREA ""N""OTHER BUILDINGS	ER,A	IR	07-31-1997
34855.1166	Other Bldgs in Area P	ER,A	IR	07-31-1997
34855.1167	Other Bldgs in Area J	ER,A	IR	07-31-1997
34855.1168	FORMER POISON GAS LAB	ER,A	IR	06-30-2003
34855.1173	D.U. SCRAP STORAGE AREA	ER,A	IR	06-30-2003
34855.1175	BUILDING 321	ER,A	IR	06-30-2003
34855.1187	PBC	ER,A	IR	03-15-2014
34855.1192	MTBE Contaminated GW in 600 Area	ER,A	IR	05-31-2011
34855.1193	FOR DELETION	ER,A	IR	10-15-2019
34855.1196	FOR DELETION	ER,A	IR	05-15-2018

34855.1200	ABANDONED RAILROAD TRACKS	ER,A	IR	01-15-2017
34855.1177	1000-METER RANGE	ER,A	MR	12-09-2003
34855.1178	FormerMunitions&Propellant	ER,A	MR	03-15-2012
34855.1180	PICATINNY LAKE SITE	ER,A	MR	12-09-2003
34855.1181	Green Pond	ER,A	MR	12-15-2013
34855.1182	Former-DRMO YARD	ER,A	MR	09-30-2009
34855.1183	SHELL BURIAL GROUND #2	ER,A	MR	12-09-2003
34855.1194	PBA for MR sites at Picatinn	ER,A	MR	03-15-2014
34855.1004	INACT.ROCKET FUEL TEST	ER,A	IR	06-30-2003
34855.1006	FORMER WASTE IMPOUN	ER,A	IR	06-30-2003
34855.1008	PHYS ANAL LAB/ENERG	ER,A	IR	06-30-2003
34855.1011	FLUOROCHEMICAL STRG SITE	ER,A	IR	06-30-2003
34855.1013	FORMER NG PROC AREA (1361A-1364	ER,A	IR	06-30-2003
34855.1015	BUILDINGS IN 300 AREA	ER,A	IR	06-30-2005
34855.1016	FORMER PROPELLANT PLANT(1010)	ER,A	IR	12-31-1996
34855.1017	FORMER HAZ WST TANK STOR(1380)	ER,A	IR	06-30-2003
34855.1018	STEAM POWER PLANT	ER,A	IR	06-30-2003
34855.1020	SHELL BURIAL AREA(NEAR B-3100)	ER,A	IR	06-30-2003
34855.1021	MUNITS&PROPLTS TST AREA/CHEM BU	ER,A	IR	05-31-2005
34855.1022	MUNITS&PROPLT TST AREA	ER,A	IR	02-28-1997
34855.1023	MUNITS&PROPLT TEST AREA	ER,A	IR	07-31-2001
34855.1024	FORMER CHEMICAL BURIAL AREA	ER,A	IR	06-30-2003
34855.1027	MUNITS/PYROTEC TEST AREA	ER,A	IR	02-28-1997
34855.1028	MUNITIONS TEST AREA SITE	ER,A	IR	06-30-2001
34855.1029	MUNITIONS TEST AREA	ER,A	IR	06-30-2001

34855.1030	PYROTECHNIC TESTING RANGE (SITE	ER,A	IR	03-31-2002
34855.1031	POACH HOUSE (520) (SITE 147)	ER,A	IR	06-30-2003
34855.1035	DREDGE PILE (SITE 26)	ER,A	IR	12-31-1996
34855.1036	PROPELLANT/CHEM/MATERIAL STORAG	ER,A	IR	06-30-2005
34855.1037	SEWAGE TRMT PLANT SLUDGE BEDS(B	ER,A	IR	12-31-1996
34855.1040	BLDG 553 STORAGE TANKS(SITE 32)	ER,A	IR	06-30-2003
34855.1041	BLDG 527A STORAGE TANKS (SITE 3	ER,A	IR	06-30-2003
34855.1045	VEHCL MAINT FORMER-WW PRETRTMT	ER,A	IR	10-31-2000
34855.1047	FORMER LAB PACK FAC (B-1094) S	ER,A	IR	06-30-2003
34855.1048	FORMER PCB STORAGE AREA (B-3114	ER,A	IR	06-30-2003
34855.1049	PESTICIDE STORAGE AREA (B-3157)	ER,A	IR	06-30-2003
34855.1050	Golf Course Maintenance(BLDG 39	ER,A	IR	03-31-2000
34855.1051	VEHICLE MAINTENCE (BLDG 33)SITE	ER,A	IR	07-31-2004
34855.1053	HEAVY EQUIP. MAINTENANCE(BLDG 3	ER,A	IR	06-30-2003
34855.1054	Auto Hobby Shop (BLDG 3315)- Si	ER,A	IR	11-30-2000
34855.1055	Soldering Storage Area (BLDG 19	ER,A	IR	03-31-1997
34855.1056	PETROLEUM LEAK AREA(BLDG 305)SI	ER,A	IR	06-30-2003
34855.1058	BASEBALL FIELDS (SITE 163)	ER,A	IR	12-31-1996
34855.1060	SURVEILLANCE LABORATORY	ER,A	IR	06-30-2004
34855.1061	PHOTO PROCESSING FAC	ER,A	IR	12-31-1996
34855.1064	METAL PLATING SHOP, BLDG 64 (SI	ER,A	IR	06-30-2005
34855.1065	BLDG 5, ARSENAL REPRTION & TRNG	ER,A	IR	12-31-1996
34855.1066	GRAPHIC REPRODUCTION & TRNG BLDG	ER,A	IR	12-31-1996
34855.1067	BLDG 163, PHOTOGRAPHY LAB (SITE	ER,A	IR	06-30-2004
34855.1069	BLDGS 161&162,CHEMICAL LAB(SITE	ER,A	IR	06-30-2003

34855.1070	PROPELLANT BAG FL	ER,A	IR	06-30-2003
34855.1071	PROPELLANT TEST (SITE	ER,A	IR	12-31-1996
34855.1072	BLDGS 172&183 & BLDGS IN 400 AR	ER,A	IR	06-30-2003
34855.1075	PROPELLANT PRO(S	ER,A	IR	06-30-2006
34855.1076	PROPELLANT CRUSHING	ER,A	IR	03-31-2000
34855.1078	PROPELLANT PROCESSING	ER,A	IR	12-31-1996
34855.1079	PROPELLANT FINISHING	ER,A	IR	06-30-2003
34855.1080	EXPLOSIVE&PROPELLANT M	ER,A	IR	06-30-2005
34855.1081	POWDER PRESSING (SITE	ER,A	IR	06-30-2003
34855.1082	BLDGS 311&319, FORMER GAS STATI	ER,A	IR	06-30-2003
34855.1083	SERVICE SHOPS (SITE 13	ER,A	IR	06-30-2003
34855.1084	METALLURGY LAB, BLDG 315 (SITE	ER,A	IR	08-31-2001
34855.1085	BLDG 355,METALLURGY LAB (SITE	ER,A	IR	06-30-2003
34855.1086	FORMER BLDG 24 PLATING FACIL (S	ER,A	IR	06-30-2000
34855.1087	EXPLOSIVE LAUNDRY	ER,A	IR	09-30-2006
34855.1089	FORMER HAZ WASTE STOR/FUSE ASS	ER,A	IR	06-30-2003
34855.1090	LOADING/DISASSEMBLY PLT	ER,A	IR	06-30-2003
34855.1091	MINE ASSEMBLY FACILITY(BLDG 268	ER,A	IR	06-30-2003
34855.1092	EXP LOADING FACILITY	ER,A	IR	06-30-2003
34855.1093	MELT CASTING OPERATION (BLDG 23	ER,A	IR	06-30-2003
34855.1094	EXP PRESSING PLT (BLDGS235/236)	ER,A	IR	06-30-2003
34855.1095	CHANGE HOUSE SITE 12	ER,A	IR	06-30-2003
34855.1096	POWDER PRESS/PELLETING(BLDG 252	ER,A	IR	06-30-2003
34855.1098	FORMER LOAD FACILITY (BDLGS271/	ER,A	IR	06-30-2003
34855.1099	CHANGE HOUSE (BUILDING 600) SIT	ER,A	IR	06-30-2003

34855.1104	ELECTROMAG. GUN TEST SHED	ER,A	IR	06-30-2003
34855.1105	AMMUN DEMO 1 ORD FAC	ER,A	IR	06-30-2003
34855.1106	POST ENG MAINT SHOP (BLDG 501)	ER,A	IR	06-30-2003
34855.1107	FORMER ENLISTED MENS BARRACKS(B	ER,A	IR	06-30-2003
34855.1108	PROPELLANT PLANT SITE	ER,A	IR	06-30-2003
34855.1110	PYROTECHNIC PLANT	ER,A	IR	06-30-2003
34855.1112	PROPELLANT PLANT SITE	ER,A	IR	06-30-2003
34855.1113	ADMINISTRATION BLDG (BLDG 382)	ER,A	IR	06-30-2003
34855.1114	CHANGE HOUSE SITE 14	ER,A	IR	06-30-2003
34855.1116	PROPELLANT PLANT SITE	ER,A	IR	06-30-2003
34855.1117	Ordnance Bldgs	ER,A	IR	06-30-2003
34855.1118	ORDNANCE FAC SITE	ER,A	IR	06-30-2003
34855.1119	HIGH-EXP MAGAZINE SITE	ER,A	IR	06-30-2003
34855.1120	SUPPLIES & SER. BLDG (BLDG 975)	ER,A	IR	06-30-2003
34855.1122	REFRIG. & INERT GAS PLT(BLDG 52	ER,A	IR	06-30-2003
34855.1123	FORMER MOTORS/ROC FUEL TST AREA	ER,A	IR	06-30-2003
34855.1124	HELICOPTER MAINTENANCE	ER,A	IR	06-30-2005
34855.1125	PARKING AREA ACROSS FROM BLDG 3	ER,A	IR	06-30-2003
34855.1126	CHEM LAB & ADMIN BLDG (BLDG 340	ER,A	IR	06-30-2003
34855.1127	SEWAGE TRMT/CHEM LAB/FIREHOUSE/	ER,A	IR	06-30-2005
34855.1131	FORMER EXPLOSIVES LOADING (BLDG	ER,A	IR	06-30-2003
34855.1132	FORMER ORDNANCE FACILITY (BLDG	ER,A	IR	06-30-2003
34855.1133	FORMER PROP PLT/ORD FAC(BLDG	ER,A	IR	06-30-2003
34855.1134	PROPEL PLTS/PRESS HOUSE	ER,A	IR	06-30-2003
34855.1135	PROP PLTS	ER,A	IR	06-30-2003

34855.1136	PROP MELT PLTS	ER,A	IR	06-30-2003
34855.1138	FORMER NITRATION BLDG (BLDG 103	ER,A	IR	06-30-2003
34855.1139	FORMER EX MAN/STOR(BLDGS1070,10	ER,A	IR	06-30-2003
34855.1140	FORMER PROP PLTS(BLDGS1354,1357	ER,A	IR	06-30-2003
34855.1142	LITTLE LEAGUE BASEBALL FIELD SI	ER,A	IR	06-30-2004
34855.1143	SAN SEWER SYSTEM BREAKS/LEAKS S	ER,A	IR	06-30-2004
34855.1144	ORDNANCE FAC	ER,A	IR	06-30-2003
34855.1145	ORDINANCE FACILITY	ER,A	IR	06-30-2003
34855.1146	FIELD OFF,DISASS	ER,A	IR	06-30-2003
34855.1147	ORDINANCE FAC	ER,A	IR	10-31-1997
34855.1148	MUN TEST RANGES	ER,A	IR	02-28-1997
34855.1149	GEN PURPOSE MAGAZINE (BLDG1217)	ER,A	IR	06-30-2004
34855.1151	PROP STORAGE	ER,A	IR	06-30-2003
34855.1152	PROPELLANT STORAGE SITE	ER,A	IR	06-30-2003
34855.1153	CHEMICAL STORAGE SITE	ER,A	IR	06-30-2003
34855.1154	FORMER LABORATORY IN BLDG 350 S	ER,A	IR	06-30-2003
34855.1155	FIREHOUSE SITE	ER,A	IR	06-30-2003
34855.1156	OIL & ACID STORAGE	ER,A	IR	06-30-2005
34855.1157	FORMER COAL STORAGE AREA (BLDG	ER,A	IR	06-30-2003
34855.1160	GREEN POND BROOK	ER,A	IR	07-31-2000
34855.1162	AREA ""O"" OTHER BUILDINGS	ER,A	IR	07-31-1997
34855.1163	AREA ""N""OTHER BUILDINGS	ER,A	IR	07-31-1997
34855.1166	Other Bldgs in Area P	ER,A	IR	07-31-1997
34855.1167	Other Bldgs in Area J	ER,A	IR	07-31-1997
34855.1168	FORMER POISON GAS LAB	ER,A	IR	06-30-2003

34855.1173	D.U. SCRAP STORAGE AREA	ER,A	IR	06-30-2003
34855.1175	BUILDING 321	ER,A	IR	06-30-2003
34855.1187	PBC	ER,A	IR	03-15-2014
34855.1192	MTBE Contaminated GW in 600 Area	ER,A	IR	05-31-2011
34855.1193	FOR DELETION	ER,A	IR	10-15-2019
34855.1196	FOR DELETION	ER,A	IR	05-15-2018
34855.1200	ABANDONED RAILROAD TRACKS	ER,A	IR	01-15-2017
34855.1177	1000-METER RANGE	ER,A	MR	12-09-2003
34855.1178	FormerMunitions&Propellant	ER,A	MR	03-15-2012
34855.1180	PICATINNY LAKE SITE	ER,A	MR	12-09-2003
34855.1181	Green Pond	ER,A	MR	12-15-2013
34855.1182	Former-DRMO YARD	ER,A	MR	09-30-2009
34855.1183	SHELL BURIAL GROUND #2	ER,A	MR	12-09-2003
34855.1194	PBA for MR sites at Picatinn	ER,A	MR	03-15-2014

COMMUNITY INVOLVEMENT

Technical Review Committee Establishment Date: Data not Available
Restoration Advisory Board (RAB) Establishment Date: 12-31-1995
RAB Adjournment Date: Data not Available
RAB Adjournment Reason: Data not Available
Reasons for Not Establishing RAB: Data not Available
RAB Date of Solicitation from Community: Data not Available
RAB Results of Solicitation: Data not Available
Current Technical Assistance for Public Participation (TAPP): Data not Available
TAPP Title: Data not Available
Potential TAPP: Data not Available
Administrative Record Location: Building 3002 Picatinny Arsenal, NJ 07806
Information Repository Location: Building 3002 Picatinny Arsenal, NJ 07806, Rockaway Township Library, Morris County Library
Community Involvement Plan (Date Published): Data not Available

FIVE YEAR / PERIODIC REVIEW SUMMARY

Five year/Periodic Review Title:	PICATINNY ARSENAL_FR_5TH_201609
Status:	COMPLETE
Start Date:	11-01-2015
End Date:	09-30-2016
Actions Narrative:	The sites will be evaluated and addressed.
Plans Narrative:	Actions will be addressed under the RAO-LTM contract with a modification.
Results Narrative:	All but 2 sites received a protectiveness determination. Group 1 Sites received a deferred recommendation which will be revised after the Lakes FS is complete. Area D was deemed protective in the short-term, but not in the long-term.

Five year/Periodic Review Title:	PICATINNY ARSENAL_5YR_FY11
Status:	COMPLETE
Start Date:	01-01-2006
End Date:	12-31-2010
Actions Narrative:	Continue monitoring Land Use Controls (LUCs)
Plans Narrative:	The remedy is intended to be protective of human health and the environment.
Results Narrative:	No additional actions recommended

Five year/Periodic Review Title:	PICATINNY ARSENAL_5YR_FY21
Status:	COMPLETE
Start Date:	08-15-2020
End Date:	03-01-2021
Actions Narrative:	Placeholder
Plans Narrative:	Placeholder
Results Narrative:	Placeholder

Five year/Periodic Review Title:	PICATINNY ARSENAL_FYR_6TH_202206
Status:	COMPLETE
Start Date:	08-15-2020
End Date:	06-03-2022
Actions Narrative:	Placeholder.
Plans Narrative:	Placeholder.
Results Narrative:	Placeholder.

Five year/Periodic Review Title:	PICATINNY ARSENAL_5YR_FY07
Status:	COMPLETE
Start Date:	02-28-2006
End Date:	10-30-2006
Actions Narrative:	Army will and have taken actions to complete documents and do action.
Plans Narrative:	Ongoing.
Results Narrative:	The 5 Year review was completed and EPA agreed with the results which basically required that Army completed actions in Proposed Plan and FS stage.

Five year/Periodic Review Title:	PICATINNY ARSENAL_5YR_FY26
Status:	UNDERWAY
Start Date:	01-01-2026
End Date:	09-01-2026
Actions Narrative:	Data not Available
Plans Narrative:	Data not Available
Results Narrative:	Data not Available

Five year/Periodic Review Title:	PICATINNY ARSENAL_5YR_FY11
Status:	COMPLETE
Start Date:	01-01-2006
End Date:	12-31-2010
Actions Narrative:	Continue monitoring Land Use Controls (LUCs)
Plans Narrative:	The remedy is intended to be protective of human health and the environment.
Results Narrative:	No additional actions recommended

Five year/Periodic Review Title:	PICATINNY ARSENAL_5YR_FY21
Status:	COMPLETE
Start Date:	08-15-2020
End Date:	03-01-2021
Actions Narrative:	Placeholder
Plans Narrative:	Placeholder
Results Narrative:	Placeholder

Five year/Periodic Review Title:	PICATINNY ARSENAL_FYR_6TH_202206
Status:	COMPLETE
Start Date:	08-15-2020
End Date:	06-03-2022
Actions Narrative:	Placeholder.
Plans Narrative:	Placeholder.
Results Narrative:	Placeholder.

Five year/Periodic Review Title:	PICATINNY ARSENAL_5YR_FY07
Status:	COMPLETE
Start Date:	02-28-2006
End Date:	10-30-2006
Actions Narrative:	Army will and have taken actions to complete documents and do action.
Plans Narrative:	Ongoing.
Results Narrative:	The 5 Year review was completed and EPA agreed with the results which basically required that Army completed actions in Proposed Plan and FS stage.

Five year/Periodic Review Title:	PICATINNY ARSENAL_5YR_FY26
Status:	UNDERWAY
Start Date:	01-01-2026
End Date:	09-01-2026
Actions Narrative:	Data not Available
Plans Narrative:	Data not Available
Results Narrative:	Data not Available