



Selected Acquisition Report (Proposed)

Program Information

Program (Subprogram if applicable): Chem Demil-ACWA - Blue Grass (BGCAPP)

CLEARED
For Open Publication

Sep 12, 2022

Effective Date: 12/31/2021

Department of Defense
OFFICE OF PREPUBLICATION AND SECURITY REVIEW



Please note: This form may be used to create a draft Selected Acquisition Report that may be staffed for review and approval. Data still must be entered in a DAVE Program Progress submission. The only data from this form that will be collected is O&S Costs – Disposal and Unitized Costs, Deliveries & Expenditures and LRIP.



*All SAR data in this form must be **UNCLASSIFIED** with no dissemination controls. Do **not** include **CUI** data.*



Program Manager Information

(Name, Phone, Address, etc.)

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Mission & Description



Executive Summary

Does Classified Data Exist for this Data Section?

Program Highlights Since Last Report (For Release to Congress):

Full-scale chemical agent destruction operations at the BGCAPP Main Plant began on January 17, 2020 with 8-inch projectiles containing GB nerve agent. The SC conducted safe and compliant operations, successfully completing the destruction of all 8-inch GB nerve agent projectiles on May 11, 2020, ahead of contract schedule. The Main Plant conducted changeover activities to enable VX nerve agent projectile processing starting in May 2020 and concluding in December 2020, with the successful completion of the Integrated Operations Demonstration (IOD) on December 16, 2020. On October 15, 2020, the Kentucky Department of Environmental Protection (KDEP) approved the permit modification for the destruction of VX chemical agents. The SC declared the plant ready for operations on December 21, 2020. Unfortunately, COVID-19 effects on the workforce restricted opportunities to train and gain experience with the new procedures. Therefore, the start of the VX 155mm projectile campaign was rescheduled and successfully began on January 7, 2021. Despite the delay, BGCAPP implemented efficiencies and finished the VX projectile campaign on May 28, 2021.

While executing the VX projectile campaign in the Main Plant, BGCAPP was also preparing the Main Plant for the revised Rocket Processing System (RPS). The RPS incorporates a Non-Destructive Examination system to screen for rocket leakers, a Vertical Rocket Cutting Machine system to separate the warhead from the rocket motor, and a Rocket Warhead Containerization System to containerize drained rocket warheads until they can be destroyed in the SDCs as part of closure. The BGCAPP Main Plant RPS began the VX M55 rocket campaign on July 9, 2021 and completed on April 19, 2022. Achieving this milestone marked the destruction of the last VX chemical weapon in the U.S. Stockpile. While the completion date was three months behind the contract schedule for completion of the VX M55 rocket campaign, the campaign experienced less contamination than expected and, as a result, the SC has reduced the campaign changeover duration by three months. This reduction maintains a July 2022 start of the GB rocket campaign and keeps the entire schedule on target to complete by September 30, 2023. During the changeover from VX rockets to the GB rockets, PEO ACWA is implementing lessons learned to further increase daily processing rates. Efficient operation of the RPS was important for completion of the VX rocket campaign, but will be more critical during the lengthier GB rocket campaign. It is important to point out that the team persevered to safely continue destruction operations and accomplish the aforementioned objectives during the pandemic. Supply chain issues have impacted availability of key components but have not delayed operations in the Main Plant. The shipment of uncontaminated rocket motors to the Anniston Field Office for destruction in their SDC began on November 1, 2021, and as of May 13, 2022, 960 rocket motors have been destroyed.

On June 7, 2019, the BGCAPP Explosive Destruction Technology (EDT) began destroying mustard (H) agent munitions and completed destruction all of the mustard (H) 155mm munitions on September 4, 2021. Upon completion of the mustard projectile campaign, BGCAPP re-designated the EDT to the SDC 1200 and began upgrading the system to enable destruction of drained VX rocket warheads. Modifications include upgrades to the detonation chamber as well as installation of a larger Off-Gas Treatment System (OTS). Installation of the new OTS equipment and pre-engineered OTS enclosure is complete. Turnover of systems for startup is projected for early 4QFY22. Approval of required environmental permits is projected in time to support the start of processing drained VX M55 rocket warheads in 2QFY23. Rocket warheads that have been drained of chemical agent are considered secondary waste, and will be destroyed during the closure phase.

Workers broke ground on January 22, 2020 at the site of the new SDC 2000. Concrete foundations for the OTS and SDC 2000 were set in





History of Significant Developments Since Program Initiation

Date	Description

Add Events



Schedule

Does Classified Data Exist for this Data Section?

Schedule Events

Event Title (or Header)	Current Objective	Current Threshold	Current Estimate/Actual Date	Deviation?
BGCAPP - Complete Operations	Sep-2023	Sep-2024	Sep-2023	Yes <input type="checkbox"/>
BGCAPP - Complete Closure	Nov-2026	Nov-2027	Nov-2026	Yes <input type="checkbox"/>
				Yes <input type="checkbox"/>
				Yes <input type="checkbox"/>
				Yes <input type="checkbox"/>
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				Yes <input type="checkbox"/>

Add Events



Significant Schedule Risks

(Provide current risks and risks identified at previous key decision points)

Event	Date	Description
Select		
Select		
Select		
Select		
Select		
Select		
Select		
Select		
Select		
Select		
Select		

Schedule Notes:

1. BGCAPP Complete Operations is based on completion of Main Plant Operations and over-packed munitions in the SDC 2000.
2. BGCAPP Complete Closure is based on closure duration of Main Plant and SDC from 2021 POE, excluding Admin Closure.

Schedule Deviation Explanations:



Performance

Does Classified Data Exist for this Data Section?

Performance Attributes

Current Objective	Current Threshold	Current Estimate	Deviation?	Demonstrated Performance	Date
Attribute Title: Compliance with Environmental Laws and Regulations				KPP <input checked="" type="radio"/> KSA <input type="radio"/> APA <input type="radio"/>	
Meets DoD, State, and/or Federal Requirements	Meets DoD, State, and/or Federal Requirements	Meets DoD, State, and/or Federal Requirements	Yes <input type="checkbox"/>		
Attribute Title: Compliance with Safety and Occupational Health Laws and Regulations				KPP <input checked="" type="radio"/> KSA <input type="radio"/> APA <input type="radio"/>	
Meets DoD, State, and/or Federal Requirements	Meets DoD, State, and/or Federal Requirements	Meets DoD, State, and/or Federal Requirements	Yes <input type="checkbox"/>		
Attribute Title: No Chemical Agent Release				KPP <input type="radio"/> KSA <input type="radio"/> APA <input type="radio"/>	
0	0	0	Yes <input type="checkbox"/>		

Add Attributes



Performance

Does Classified Data Exist for this Data Section?

Performance Attributes

Current Objective	Current Threshold	Current Estimate	Deviation?	Demonstrated Performance	Date
Attribute Title: No Chemical Agent Exposure				KPP <input checked="" type="radio"/> KSA <input type="radio"/> APA <input type="radio"/>	
0	0	0	Yes <input type="checkbox"/>		
Attribute Title:				KPP <input type="radio"/> KSA <input type="radio"/> APA <input type="radio"/>	
			Yes <input type="checkbox"/>		
Attribute Title:				KPP <input type="radio"/> KSA <input type="radio"/> APA <input type="radio"/>	
			Yes <input type="checkbox"/>		

Add Attributes



Performance Notes:

Performance Deviation Explanations:



Acquisition Budget Estimate

Does Classified Data Exist for this Data Section?

Budget Position: **President's Budget (PB)**

Budget Year: 2023

Base Year: 2011

Total Acquisition and Quantity

Appropriation Category (\$Millions)	Objective Base Year	Threshold Base Year	Budget Estimate Base Year	Budget Estimate Then Year	Deviation?
RDT&E	\$ 5,622.5	\$ 6,184.8	\$ 5,482.5	\$ 6,126.6	Yes <input type="checkbox"/>
Procurement	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	Yes <input type="checkbox"/>
MILCON	\$ 793.7	\$ 873.1	\$ 795.5	\$ 809.8	Yes <input type="checkbox"/>
Acq O&M	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	Yes <input type="checkbox"/>
Total Acquisition	\$ 6,416.2		\$ 6,278.0	\$ 6,936.4	
PAUC	\$ 12.268		\$ 12.004	\$ 13.263	Yes <input type="checkbox"/>
APUC					Yes <input type="checkbox"/>

Quantity	Current APB	Current Estimate
Development Qty	523	523
Procurement Qty		



Budget Notes:

Quantity Notes:

The RDT&E quantity reflects tons of chemical agent to be disposed by the Program Executive Office Assembled Chemical Weapons Alternatives. This number is 3,136 US tons and is composed of 2,613 US tons at PCAPP, and 523 US tons at BGCAPP.

Acquisition Cost Deviation Explanations:



Risk and Sensitivity Analysis

Current Procurement Risks	
1	
2	
3	
4	
5	

Current and Original Baseline Risks will be pulled from the appropriate APBs.



Operating and Support Costs – Total Costs

Does Classified Data Exist for this Data Section?

Base Year: 2011

Total Program Operating and Support Estimate Compared with Baseline

	Current Base Year Objective	Current Base Year Threshold	Current Base Year Estimate	Current Then Year Estimate	Deviation?
Total O&S (\$Millions)					Yes <input type="checkbox"/>

Deviation Explanation:

Operating and Support Cost Estimate

(Allocate O&S estimate by each weapon system (or system variants) acquired by the program)

Category (Base Year \$Millions)	System Name:	System Name:	System Name:
Unit-Level Manpower			
Unit Operations			
Maintenance			
Sustaining Support			
Continued System Improvements			
Other			
Total O&S	\$ 0.0	\$ 0.0	\$ 0.0

Cost Estimate Source – O&S

Type: Independent Cost Estimate

Approval Authority and Date:

Note:



O&S Notes:



Operating and Support Costs – Disposal and Unitized Costs

Annual Unitized Operating and Support Cost Comparison with Antecedent System
(Compare unitized O&S estimate of one system variant acquired by the program with its antecedent system)

Annual Unitized O&S Cost Definition and Calculation Relative to Total O&S Cost:



Please note: Disposal and Unitized Costs are not available for data entry in DAVE Program Progress. Please fill in data on this form and submit to OSD.AcqData@mail.mil

Sustainment Factors	System Name:	Antecedent System Name:
Quantity to Sustain		
Unit of Measure		
Unit Expected Service Life		

Base Year: 2011

Annual Unitized O&S Cost by Category Base Year \$ Unit: \$K	System Name:	Antecedent System Name:
Unit-Level Manpower		
Unit Operations		
Maintenance		
Sustaining Support		
Continued System Improvements		
Other		
Total O&S	\$ 0.0	\$ 0.0

Disposal/Demilitarization Cost Estimate

(Allocate Disposal estimate by each weapon system (or system variants) acquired by the program)

(Base Year \$Millions)	System Name:	System Name:	System Name:
Total Disposal			



Cost Estimate Source – Disposal

Type: Independent Cost Estimate

Approval Authority and Date:

Note:

Disposal Cost Notes:

Sustainment Strategy:

Antecedent Information:



Please note: Disposal and Unitized Costs are not available for data entry in DAVE Program Progress. Please fill in data on this form and submit to OSD.AcqData@mail.mil



Unit Cost

Current Baseline Compared with Current Estimate

Current Baseline Base Year: 2011

Category (\$M)	Current Baseline	Current Estimate	% Change	Breach? Significant or Critical
Program Acquisition Unit Cost				
Acquisition Cost	\$ 6,416.2	\$ 6,278.0		
Program Quantity				
PAUC	\$ 12.268	\$ 12.004	-2.15%	None
Average Procurement Unit Cost				
Procurement Cost	\$ 0.0	\$ 0.0		
Procurement Quantity				
APUC			0.00%	None

Original Baseline Compared with Current Estimate

Original Baseline Base Year:

Category (\$M)	Original Baseline	Current Estimate	% Change	Breach? Significant or Critical
Program Acquisition Unit Cost				
Acquisition Cost				
Program Quantity				
PAUC			0.00%	None
Average Procurement Unit Cost				
Procurement Cost				
Procurement Quantity				
APUC			0.00%	None



Critical Cost Growth Details

Current Baseline PAUC Breach Explanation (if applicable):

Original Baseline PAUC Breach Explanation (if applicable):

Current Baseline APUC Breach Explanation (if applicable):

Original Baseline APUC Breach Explanation (if applicable):



Impacts of Schedule Changes on Unit Cost:

Actions Taken or Proposed to Control Future Cost Growth:

Unit Cost Notes:



Technologies and Systems Engineering

Does Classified Data Exist for this Data Section?

Significant Technical Risks

(Provide current risks and risks identified at previous key decision points)

Event	Date	Description
Select		
Select		
Select		
Select		
Select		

Add Risks



Contracts

External Government Activities

Activity Title					
Supported Phase	Development	CAGE Code		City	
Work Start Date		CAGE Legal Name		State/Province	
Notes					

Activity Title					
Supported Phase	Development	CAGE Code		City	
Work Start Date		CAGE Legal Name		State/Province	
Notes					

Activity Title					
Supported Phase	Development	CAGE Code		City	
Work Start Date		CAGE Legal Name		State/Province	
Notes					



Contracts and Efforts

Contract Number		Order Number		Contract Title			
CAGE Code	3FT89	City	Richmond	Contracting Office	ACC Rock Island		
CAGE Legal Name	Bechtel Parsons PL	State/Province	KY	Contract Strategy	FAR 15: Negotiated Contracts		
Effort Number							
Supported Phase	Development	Latest Modification Number	DAAA09-03-D-0023	Definitization Date	6/1/2003		
Contract Type	Cost-Plus-Award-F	Latest Modification Date	6/1/2003	Work Start Date	6/1/2003		
Technical Data Rights	None	Notes Contract Type(s): BGCAPP: Currently Cost Plus Award Fee / Cost Plus Incentive Fee (CPAF/CPIF) contract. BGCAPP: PM EAC based on 2020 POE. BGCAPP: Closure is not on contract and is, therefore, not included in the EV data provided for both sites.					
Contract/Effort Price, Quantity and Performance (\$M)							
Initial Target Price	\$ 138.00	Current Target Price	\$ 5,276.20	Contractor's EAC	\$ 5,100.60		
Initial Ceiling Price		Current Ceiling Price	\$ 5,276.20	PM's EAC	\$ 5,507.80		
Initial Quantity	523	BAC	\$ 5,066.00	BCWP	\$ 3,743.90	Work Completed	73.90%
Current Quantity	523	ACWP	\$ 3,792.40	BCWS	\$ 3,775.40	Cost Variance	-\$ 48.50
Delivered Quantity						Schedule Variance	-\$ 31.50

Factors Contributing to Cost Variance and Projected Effects on Program Costs:

None

Factors Contributing to Schedule Variance and Projected Effects on Program Schedule:

None

Add Contract



Deliveries & Expenditures

Quantities	Planned to Date	Actual to Date	Total Quantity	Percent Delivered
Development		247	523	47.17%
Procurement				0.00%
Total		247	523	47.17%

Please note **Percent Delivered** is for display purposes only. It uses Current Estimate Quantities from this form. Current Estimate Quantities (pulled from DAVE—not this form) and values from this table will be used to calculate this percentage in Advana.

Years Appropriated to date:


Total Years Appropriated Funding (Current Baseline):

Percent Years Appropriated: 0.00%

Appropriation Category (\$Millions)	Then Year Appropriated Amount	Then Year Expended Amount
RDT&E		
Procurement		
MILCON		
Acq O&M		
Percent Appropriated/Expended	0.00%	0.00%

Please note **Percent Appropriated/Expended** is for display purposes only. It uses Total Acquisition Cost from this form. Total Acquisition Cost (pulled from DAVE—not this form) and values from this table will be used to calculate this percentage in Advana.

Deliveries & Expenditures Notes:



Please note: Deliveries & Expenditures is not available for data entry in DAVE Program Progress. Please fill in data on this form and submit to OSD.AcqData@mail.mil



Low Rate Initial Production

	Initial Decision LRIP	Current Total LRIP
Approval Date		
Approval LRIP Quantity		
Approval Document Title		
Start Year		
End Year		

Rationale if quantity exceeds 10% of the total number of articles to be produced:

Quantity Note:



Please note: LRIP is not available for data entry in DAVE Program Progress. Please fill in data on this form and submit to OSD.AcqData@mail.mil