



FY 2022 Performance Evaluation Summary

Contractor: Triad National Security, LLC

Contract: 8923318CNA000001

Evaluation Period: October 1, 2021 through September 30, 2022

Basis of Evaluation: Fiscal Year (FY) 2022 Performance Evaluation and Measurement Plan (PEMP)

The FY 2022 PEMP for this contract is available at: <https://www.energy.gov/nnsa/fy22-triad-pemp-final>

The Contract is available at: <https://www.energy.gov/nnsa/los-alamos-national-laboratory-contract>

Award Fee Scorecard

<u>Goal</u>	<u>Rating</u>		<u>At Risk Available</u>	<u>Final</u>
	<u>Adjectival</u>	<u>Percent</u>		
Goal-1: Mission Execution: Nuclear Weapons	Very Good	90%	\$9,330,935	\$8,397,841
Goal-2: Mission Execution: Global Nuclear Security	Very Good	90%	\$3,998,972	\$3,599,075
Goal-3: DOE & Strategic Partnership Projects Mission Objectives	Excellent	95%	\$0	\$0
Goal-4: Science, Technology & Engineering (ST&E)	Excellent	100%	\$0	\$0
Goal-5: Mission Enablement	Very Good	80%	\$7,997,945	\$6,398,356
Goal-6: Mission Leadership	Very Good	90%	\$5,331,963	\$4,798,767
Total Award Fee		87%	\$26,659,815	\$23,194,039

In addition, the fixed fee and total fee summaries are provided below:

	<u>Available</u>	<u>Final</u>
Fixed Fee	\$20,909,659	\$20,909,659
SPP (Fixed Fee)	\$2,989,797	\$2,989,797
Total Fixed Fee	\$23,899,456	\$23,899,456
Total Fee (Award Fee and Fixed Fee)	\$50,559,271	\$47,093,495

Overall, Triad earned a Very Good (87 percent) rating for FY 2022, exceeding many of the objectives and key outcomes under the PEMP goals, generally meeting overall cost, schedule, and technical performance requirements with accomplishments that greatly outweigh issues.

Accomplishments:

Goal 1

- Over 1,700 components produced and certified, with over 1,000 certified under interim delegation
- Completed pit builds and leveraged world-class laboratory expertise to resolve build issues
- Significant progress on plutonium equipment installation and improved facility availability
- Provided effective support for science campaigns, including pegposts, experiments
- Completed 150/153 milestones in the Milestone Reporting Tool (MRT) with essential support for stockpile systems
- Effectively managed the platform procurement and research and development (R&D) partnerships
- Led numerous key stockpile system capability improvements
- Provided exemplary Design Agency support to stockpile modernization

Goal 2

- Triad's Off-Site Recovery Program exceeded program goals
- Advanced U.S. nuclear detonation detection capabilities as the system integrator for NNSA payloads
- Supported Mo-99 industry partners in the goal to produce non-highly enriched uranium (HEU) Mo-99 for medical use
- Provided critical support to the Nuclear Compliance Verification (NCV) Program
- Nuclear Emergency Support Team support
- Instrumental in a successful high-visibility nuclear forensics/Nuclear Threat Reduction foreign exchange
- National Nuclear Material Archive (NNMA) program made significant progress
- Supported on-going United States Nuclear Detonation Detection System payload modernization efforts
- Triad met six of the seven major equipment milestones

Goal 3

- Addressed the President's agenda as enacted legislation drove essential DOE projects such as the 2030/2050 climate and clean energy objectives and DOE's Intermountain West Energy Sustainability and Transitions (I-WEST) initiative
- Supported national initiatives to address isotope related supply chain disturbances
- Continued to significantly succeed in supporting the national security mission with high-priority, high-impact Strategic Partnership Projects/Strategic Intelligence Partnership Program
- Leveraged unique core capabilities to provide mission delivery to SPP customers ranging from NASA to the Department of Defense
- Selected to become DOE Office of Environmental Management (DOE-EM) deployment testbed for ground and air based robotic systems
- Triad's template/standardization initiatives resulted in SPP projects and collaboration with NNSA

Goal 4

- Triad's research strategy successfully addressed national security challenges
- Ten of Triad's eleven submittals to the R&D 100 competition were named as finalists
- The Los Alamos National Laboratory (LANL) completed seven Institutional Science, Technology, and Engineering (ST&E) Capability Reviews
- Executed leading edge research contributing to the achievement of national security priorities
- Developed staff opportunities to ensure alignment with changing workforce demographic and achievement of mission
- Leveraged capabilities to achieve public goodwill through impactful partnerships that provided significant benefit

Goal 5

- Safety Basis provided over 70 items for the Los Alamos Field Office review and approval to support safe operations and mission
- Completed a multi-year effort of writing or revising a backlog of criticality safety evaluation documents
- Triad significantly improved Plutonium Facility availability
- Significant reduction in recordable safety incidents
- Triad identified and successfully completed a one-time alternative inventory approach
- Progressed Deactivation and Decommissioning (D&D) projects, consolidated eight adjacent leases, and sustained the Campus Master Plan
- Triad delivered efficient, effective, responsible, and transparent financial management operations and systems
- Superb representation in environmental matters – particularly emerging issues involving disposition of waste explosives

- Triad excelled through the implementation of evolving security strategies, architecture, and technical solutions
- Triad exceeded planned fiscal year wildland fire fuels mitigation schedule by conducting fuel mitigation treatments
- The annual Site Emergency Exercise included a challenging, robust scenario based on the Technical Planning Basis
- Triad significantly improved procurement submittals
- Executed NNSA and DOE-EM shipments, exceeding the Waste Isolation Pilot Plant forecast for LANL

Goal 6

- Triad made significant progress in implementing a realistic strategic vision for the laboratory that is in alignment with the NNSA Strategic Vision
- Triad's newly integrated Contractor Assurance System enhanced regulatory compliance and quality assurance principles Exhibited significant leadership through collaborative activities to enhance mission execution for nuclear weapons programs
- Successful integrated response to the Cerro Pelado Fire
- Triad implemented strategies and initiatives to address attrition and hiring to meet mission needs
- Triad demonstrated leadership in Covid-19 policy implementation in the Nuclear Security Enterprise
- Triad made organizational changes to improve equipment installation and programmatic work integration
- Triad initiated and coordinated several safety culture training programs and safety culture surveys

Issues:**Goal 1**

- Triad experienced challenges with production activities

Goal 2

- Triad experienced delays in the placement of international source removal contracts
- Triad did not meet the plutonium oxide target
- National Nuclear Material Archive program shipping caused impacts
- Triad did not execute project planning and design which resulted in schedule slip and cost impacts

Goal 3

- None

Goal 4

- None

Goal 5

- Inconsistent rigor and discipline in implementing Integrated Safety Management (ISM)
- Equipment installations had cost and schedule issues
- Compensatory Measures were not instituted for non-operational security/safeguarding equipment
- Challenged with scanning and vulnerability management strategies
- Several Capital Line-Item projects had execution challenges
- Triad did not establish a baseline for material accountability in locations without active processes

Goal 6

- Triad has not instilled a culture of consistent production that minimizes facility downtime
- Continued concerns with communications on Capital-Line-Item projects
- Inadequate execution of the readiness process delayed upgrading a facility to a Hazard Category-3
- Multiple safety and security issues indicate that culture improvements continued to lag expectations