



FY2022 Performance Evaluation Summary

Contractor: Mission Support and Test Services, LLC (MSTS)

Contract: DE-NA0003624

Evaluation Period: October 1, 2021 – 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-msts-pemp-final>

The Contract is available at: <https://www.energy.gov/nnsa/nevada-national-security-site-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%	\$ 7,853,471	\$ 7,068,124
Goal-2: Mission Execution: Global Nuclear Security	Excellent	91%	\$ 5,235,648	\$ 4,764,440
Goal-3: DOE & Strategic Partnership Projects Mission Objectives	Excellent	95%	\$ -0-	\$ -0-
Goal-4: Science, Technology & Engineering (ST&E)	Excellent	95%	\$ -0-	\$ -0-
Goal-5: Mission Enablement	Very Good	85%	\$ 7,853,471	\$ 6,675,450
Goal-6: Mission Leadership	Very Good	90%	\$ 5,235,648	\$ 4,712,083
Total Award Fee		88.7%	\$26,178,238	\$23,220,097

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

	<u>Available</u>	<u>Final</u>
Fixed Fee	\$ -0-	\$
SPP (Fixed Fee)	\$ 2,262,590	\$ 2,262,590
Total Fixed Fee	\$ 2,262,590	\$ 2,262,590
Total Fee (Award Fee and Fixed Fee)	\$28,440,828	\$25,482,687

MSTS commitments to the NNSA continued from FY 2021 for increasing operational cadence on experiments, enhancing capabilities to execute an expanded program portfolio, improving project management, and significantly improving the Nevada National Security Site (NNSS) infrastructure.

Overall, MSTS earned a Very Good (89 percent) rating for FY 2022, exceeding many of the objectives under the PEMP goals, generally meeting overall cost, schedule, and technical performance requirements with accomplishments that greatly outweighed issues.

Accomplishments:

Goal 1

- Successfully supported multiple Subcritical Experiment series simultaneously including data analysis, facility beneficial occupancy, diagnostic support, development and equipment refurbishment

- Completed construction and commissioning for U1a Complex Enhancements Project (UCEP) 010; began construction on UCEP 020; and completed top bench mining for the Entombment drift in support of the ECSE
- Achieved three firsts in diagnostic development vastly improving data recovery/quality for the Nuclear Security Enterprise Laboratories
- Executed six JASPER experiments for certification and research and development (R&D).
- Expanded NNSS Machine Shop capability to meet weapon modernization and stockpile risk-reduction initiatives

Goal 2

- Provided strong laboratory/customer integration for experiments and testbed operations
- Completed critical instrument installation for the Low Yield Nuclear Monitoring testbed and executed first electromagnetic source experiment
- Completed seismic vaults instrument placement enabling a national capability and bilateral support for the detection and characterization of underground low yield nuclear tests
- Executed six experiments supporting nuclear security capabilities
- Demonstrated operational excellence during a historic year of high-impact, high-visibility national security support completing all planned scope while also responding to real world events requiring significant multi-agency pre-planning and extensive coverage before, during, and after each event
- Successfully executed two over 50-person Diamond Thunder exercises under COVID protocols

Goal 3

- Supported the national security complex and legacy cleanup waste disposal through successful operation of the Radioactive Waste Management Complex (RWMC) and continued to support environmental characterization activities at the NNSS
- Met deliverables for the Settlement Agreement in response to the FY 2020 notices of noncompliance from the State of Nevada (NDEP) on waste characterization and disposal of Y-12 wastes at NNSS
- Developed the final Closure Report for Corrective Action Unit 577 with NDEP approval; closed two waste cells; and constructed a new waste cells
- Leveraged successful SPP/SIPP work into NNSA missions
- Supported multiple government agencies by providing nearly 100 percent data recovery for immediate use in the national & international security community
- Trained first responders via several platforms including resident courses at the NNSS, mobile training teams, web- based training, and train-the-trainer programs (Counter Terrorism Operations Support)

Goal 4

- Awarded 55 new FY 2021 SDRD projects/feasibility studies (~20 percent new start projects)
- Performed a first of its kind aerial drop of a smaller unmanned aircraft system (sUAS) from a larger sUAS demonstrating the capability to gather high resolution data
- Continued more than 20 active collaborations between SDRD, NNSA mission programs, universities, and special partnership projects to enhance the STEM pipeline for recruiting and retention
- Progressed two Cooperative R&D Agreement (CRADA) and one license

Goal 5

- Continued outstanding COVID-19 response for the Nevada Enterprise (NvE) Community
- Completed Wildland Fire recovery planning following an unprecedented wildland fire season in 2021 to address actions necessary to restore the Site/facilities/activities to normal operations and implemented measures to reduce wildland fire risk
- Led the NNSA Complex in Design Basis Threat Implementation for Defense Nuclear Security
- Received Voluntary Protection Program Star of Excellence from DOE

- Executed infrastructure and mission critical facility projects to address mission requirements including risk reduction, workforce safety and site user services
- Proactively minimized impacts to supply chain from COVID-19 by increasing planning meetings/visits with suppliers
- Obtained Earned Value Management System (EVMS) certification
- UCEP Subproject 010 achieved Critical Decision (CD) 4 ahead of schedule and under budget
- Executed several site incentives and NNSA-approved actions to address recruitment & retention challenges

Goal 6

- Continued to provide decisive leadership of the COVID pandemic to protect employee health, executed all PMEFs, MEFs and high priority activities; and exhibited strong leadership with NNS partners
- Continued to demonstrate strong ownership of the NvE integration role to enhance communications supporting the safe, secure, efficient, and effective mission execution through interactions
- Continued supporting multiple National Security Enterprise Working Groups
- Provided parent company reachback for expertise in safety, project management, design engineering, water distribution engineering, asset management, cost analysis, and mining to improve processes
- Collaborated with the local community (i.e., monetary donations NTS Historical Foundation, Opportunity Village) and primary education and state-level Nevada universities to support STEM as well as enhance the employee pipeline

Issues:

Goal 1

- Focused management attention is required for ECSE activities

Goal 2

- Continued management attention with respect to cost estimating, controlling cost and scope, maintaining schedule, and communications is required to support DNN programs/projects

Goal 3

- Continued management attention is needed to ensure appropriate processes and resources are in place for the safe execution of increased SPP/SIPP workload on a non-interference basis with NNSA missions

Goal 5

- UCEP 020 is under budget and behind schedule
- ASD incurred cost growth of over 50 percent and a schedule increase of 4 years requiring reaffirmation prior to CD-2 (Multi-Site Project)
- Continued improvement required for construction project management, cost estimating and execution, as well as the quality and timeliness of safety basis documentation, fire protection, and emergency management exercise planning, execution, and implementation

Goal 6

- Timely MSTs parent company recruitment of key personnel is required
- Continued management attention is required for ECSE capital projects and other construction projects