



FY2021 Performance Evaluation Summary

Contractor: Honeywell Federal Manufacturing and Technologies, LLC (FM&T)

Contract: DE-NA0002839

Evaluation Period: October 1, 2020 to September 30, 2021

Basis of Evaluation: Fiscal Year (FY) 2021 Performance Evaluation and Measurement Plan (PEMP)

The FY 2021 PEMP for this contract is available at: <https://www.energy.gov/nnsa/articles/fy21-kcfo-final-pemp-fmt-signed>

The Contract is available at: <https://www.energy.gov/nnsa/kansas-city-national-security-campus-contract>

Award Fee Scorecard

Goal	Rating		At Risk Available	Final
	Adjectival	Percent		
Goal-1: Mission Execution: Nuclear Weapons	Very Good	85%	\$17,894,800	\$15,210,580
Goal-2: Mission Execution: Global Nuclear Security	Excellent	95%	\$4,473,700	\$4,250,015
Goal-3: DOE & Strategic Partnership Projects Mission Objectives	Excellent	95%	\$0	\$0
Goal-4: Science, Technology & Engineering (ST&E)	Excellent	99%	\$0	\$0
Goal-5: Mission Enablement	Excellent	91%	\$13,421,100	\$12,213,201
Goal-6: Mission Leadership	Very Good	85%	\$8,947,400	\$7,605,290
Total Award Fee	Very Good	87.8%	\$44,737,000	\$39,279,086

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

	Available	Final
Fixed Fee	\$0	\$0
SPP (Fixed Fee)	\$22,446,000	\$22,446,000
Total Fixed Fee	\$22,446,000	\$22,446,000
Total Fee (Award Fee and Fixed Fee)	\$67,183,000	\$61,725,086

FM&T continued to strongly support and deliver on the majority of assigned NNSA mission requirements. However, a number of performance challenges were present throughout the reporting period. Issues in Goal 1 included continued production challenges on multiple components including high rates of nonconformance, unstable tester and gauge availability, and supplier reliability. Additional concerns with regard to FM&T leadership lacking clear oversight of cost estimating practices, procurement and production execution projections which caused material impacts on programmatic schedules, and costs for stockpile system programs were noted in Goal 6. Significant performance accomplishments in Goals 2, 3, 4 and 5 were noteworthy this reporting period.

Overall, FM&T earned a Very Good rating for 2021, exceeding many of the objectives and key outcomes under the PEMP goals, meeting overall cost, schedule, and technical performance requirements with accomplishments that greatly outweigh issues.

Accomplishments:Goal 1

- Achieved First Production Unit (FPU) on all respin and non-respin components on the B61-12 LEP including seven FPU's ahead of schedule.
- Accomplished W88 Alt 370 AF&F FPU 5 days ahead of schedule including four additional FPU's ahead of schedule.
- Delivered W88 ALT 370 Refresh components ahead of program requirements.
- Achieved FPU on a W-87 major component.
- Worked through several challenges to achieve FPU on a digital product.
- Completed final shipment of Trajectory Sensing Signal Generators (TSSGs) on schedule.

Goal 2

- Delivered 1,730 production quality kits to NNSA and over 100 training and evaluation sets in support the Office of Material Disposition Dilute and Dispose program.
- Provided 572 technical and intelligence-based assessments for the Export Control Review and Control/Interdiction Team in support of DOE/NNSA's WMD interdiction programs.
- Maintained 100% on-call team member readiness without a lapse in response coverage in support of the Nuclear Emergency Support Team (NEST).
- Successfully supported 70 NEST domestic and international training events and one exercise.
- Completed the production of twelve (12) Multiplicity Counters (MC-15s) for the Department of Justice, Department of Defense, and NA-84.

Goal 3

- Executed \$489M (\$224M Nuclear Weapons Program (NWP) and \$265M Global Security (GS)) scope.
- GS provided support and positively impacted NWP operations including qualifying testers for the Launch Safety Device, making a cable inspection fixture for the B61-12 LEP, and reviewing multiple component material compatibility analyses for Information Engineering Release disposition.
- FM&T continued the Process Prove-In build for the Mk21 Arming and Fuzing Assembly. The program achieved FPU on three major components, completed Production Readiness Reviews for four major components, and completed the Production Review after receiving delivery of the first long lead procurement sensors.
- GS national security support included completion of nine vehicle modification projects on an accelerated timeframe, delivery of special communication kits, and collaboration with NWP to complete reconfigurable custom part assembly.

Goal 4

- Custom software was developed for Direct Ink Write (DIW) toolpath generation in a fraction of the time of conventional software.
- Conductive coating for DIW mandrels was developed to eliminate sticking and tearing.
- High performance thermoset epoxy using existing DIW tools was developed for a system technology down-select.
- Optical Initiation hardware delivered to demonstrate form and function for future weapon systems.

Goal 5

- Developed and executed an improvement project for the handling, packaging, and characterization of TRU (Transuranic) Waste at LANL.
- Managed recapitalization for all construction projects, including three preliminary designs of the NA-50 requested program to create uniform construction templates across the complex.

- Received Missouri Water Environment Association 2020 Platinum Industrial Wastewater Committee Pretreatment Award.
- Continued successful execution of the KC Short Term Expansion Plan (KCSTEP) and completed tenant improvements and occupancy projects for Building 23.
- Passed all NNSA NA-MB financial measures.
- Began protective force qualification activities at the Grandview Police Department range at a fraction of the cost NNSA would have incurred maintaining and building its own range.
- Exceeded small business goals (actual 57.4% versus target of 54%).

Goal 6

- RAMP cost \$51.4M for replacement of roofs, completed 22 roofing projects, 24% higher than FY20, including significant project for Tech Area 55 supporting LANL pit production.
- SCMC executed a Construction Industry Day and 1,327 enrollments in the Contractor Acquisition University. Validated a total savings of \$415.3M vs. goal of \$227.4M.
- Successfully developed a response plan, restart operations, collaborating with Design Agency (DA) subject matter teams.
- Collaborated with DA counterparts and reduced 40M of the large non-conformance volumes.
- Utilized a third-party COVID-19 vaccine administrator provided by Honeywell Corporate under a Master Service Agreement with a cost savings of \$115.6K.

Issues:

Goal 1

- Record of Assembly issues.
- Production challenges including high rates of non-conformance, unstable tester and gauge availability, and supplier reliability.
- Underperformance to established costing profiles adding risk to meeting program requirements and impacting NNSA's ability to secure future funding.
- FM&T met 2 of 7 KCFO Quality Performance Scorecard (KQPS) metrics.

Goal 5

- Real estate actions failed to consistently follow NA-50 real property requirements.
- Security planning documentation was an ongoing issue that frequently required rework.
- FM&T fell behind on occupancy scope execution associated with KCSTEP resulting in \$18.6M in carryover to FY22 in the Safety, Infrastructure, & Operations (SIO) budget.

Goal 6

- Lacked clear oversight of cost estimating practices, procurement and production execution projections which caused material impacts on programmatic schedules and costs.
- Continued leadership focus is needed to detect, prevent and continue reduction of existing non-conformances.
- Leadership intervention is needed to enable resolution of technical issues that originated through the product realization process.