



National Nuclear Security
Administration

Honeywell FM&T

Performance Evaluation
Report (PER)

NNSA Kansas City Field Office
(KCFO)

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

December 10, 2021

Official Use Only

May be exempt from public release under the Freedom of Information Act (5 U.S.C. 552), exemption number and category: 5 - Privileged Information

Derivative Classifier Review:

Name/Org: Alan Doner, Honeywell FM&T
Date: 11/03/2021

Guidance: Department of Energy review required before public release.

Executive Summary

This Performance Evaluation Report (PER) provides the National Nuclear Security Administration (NNSA) assessment of Honeywell Federal Manufacturing & Technologies (FM&T) LLC, performance of the contract requirements for the period of October 1, 2020, through September 30, 2021, as evaluated against the Goals defined in the Performance Evaluation and Measurement Plan (PEMP). The NNSA took into consideration all input provided (e.g., CAS, Program Reviews, etc.) from NNSA Program and Functional Offices both at headquarters and in the field.

Honeywell Federal Manufacturing & Technologies (FM&T) submitted a Performance Self-Assessment Report that covered the rating period. FM&T is to be commended for the thoroughness of its report, which embraced the expectation of being self-critical as well as highlighting accomplishments. NNSA reviewed the self-assessment report and considered it in conducting its evaluation.

Performance against the Goals summarized below resulted in an overall rating of Very Good and a score of 87.8 percent for Honeywell FM&T.

FM&T continued to strongly support and deliver on the majority of 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 non-conformance, unstable tester and gage 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. Some noteworthy accomplishments include delivery of more than 1,730 production quality kits and 100 training and evaluation sets to NNSA on schedule which supported ramp-up activities at Savannah River Nuclear Solutions (SRNS) (Goal 2), delivered approximately 73,000 items, or 99 percent of the planned deliveries for other government agencies and nuclear weapon reimbursable customers (Goal 3), developed and deployed a custom coating system (Goal 4), completion of tenant improvements and occupancy projects for Building 23 (Goal 5), and effective operation of the Supply Chain Management Center (SCMC) resulting in a strategic savings of \$415.3M (Goal 6).

Specific observations for each Goal are provided in the following pages.

Goal 1: Mission Execution: Nuclear Weapons-- Successfully execute the cost, scope, and schedule of the Nuclear Stockpile mission work for Defense Programs work in a safe and secure manner in accordance with DOE/NNSA priorities, Work Authorizations, and Execution/Implementation Plans.

Honeywell FM&T Amount of At-Risk Fee Allocation: \$17,894,800 Available Award Fee

Under this Goal, Honeywell FM&T earned a rating of Very Good and 85 percent of the award fee allocated to this Goal. Honeywell FM&T exceeded many of the Objectives and Key Outcomes, and met the overall cost, schedule, and technical performance requirements of the contract under this Goal in the aggregate. During the year, the accomplishments slightly outweighed issues and no significant issues in performance exist. The majority of hardware was delivered on-time, within expected cost, and manufactured in a safe and secure environment.

FM&T finished the year graded “Blue” on 78 of 82 Level 2 milestones. The remaining four Level 2 milestones ended the year red; two were Multi Weapon Systems, one on the B61-12 LEP and one on the W76 SM.

FM&T met development programs and enduring stockpile system surveillance requirements, and completed mission critical Limited Life Component Exchange (LLCE) requirements in a safe and secure environment, delivering 72 percent of all shipments early and 22 percent percent on-time. FM&T delivered over 53,000 pieces of LLCE material including reservoirs and valves.

Accomplishments include:

- Achieved First Production Unit (FPU) on all respin and non-respin components on the B61-12 LEP including the Firing Control Unit (FCU), Electronic Assembly-1 (EA1), Electronic Assembly-2 (EA2), MC4904 Radar, MC4923 Coded Switch, MC4944 System 1 Adapter and Nose Bomb Subassembly (NBSA). Developed seven FPUs ahead of schedule.
- Accomplished W88 Alt 370 Arming Fuzing & Firing (AF&F) FPU five days ahead of schedule. Additionally, completed Pathlength Module (PLM), Missile Interface Controller Module (MICM), Joint Test Assembly (JTA) JTA8 and Radar FPUs, ahead of schedule.
- Delivered W88 Alt 370 Conventional High Explosive (CHE) Refresh components ahead of program requirements.
- Achieved FPU for the W87-0 MC3719 Firing Set Assembly.
- Completed first successful Final Design Review (FDR) and Production Readiness Review (PRR) for the W80-4 LEP SA2287-13 Connector.
- Worked through several challenges to achieve FPU for the T601 in Quarter 4 Fiscal Year (FY) 2021, however, challenges remain to achieve full rate production.
- Shipped W78 Neutron Generator Monitor Kit (U/U shipment) to the USAF two months early to meet an earlier than anticipated USAF flight test need.
- Implemented a new process for validation and reacceptance of post test B61-12 LEP JTA components. The effort was instrumental to allow FM&T to meet JTA flight schedules added due to the B61-12 LEP FPU schedule change.
- Delivered two trailers and completed implementation of new Safeguards Transporter Support (SGT) security requirements and Tester Integration and qualifications.

Issues include:

- Record of Assembly traceability issues impacted multiple weapon programs.
- B61-12 LEP and W88 Alt 370 production challenges exist with multiple components including high rates of non-conformance, unstable tester and gage availability, and supplier reliability. Critical B61-12 LEP non-respin components.
- Vendor delivery issues and product non-conformances increased risk to sustained production requirements.
- FM&T delivered six of 96 scheduled W76-1 LEP MC4700 AF&Fs.
- Equipment issues impacted production requiring schedules to be pushed into FY 2022.
- Multiple stockpile and support programs underperformed to established costing profiles adding risk to meeting program requirements and impacting NNSA’s ability to secure future funding.

Honeywell FM&T has initiated an effort to establish Nuclear Security Enterprise (NSE) site collaboration on cross site issues to ensure that causal analysis and corrective actions are comprehensive and inclusive of issues crossing site boundaries. In the past, causal analysis and resulting corrective action was typically limited to the site where the issue was identified. The new approach and collaboration provides for comprehensive corrective and preventive actions across the NSE.

The KCFO Quality Performance Scorecard (KQPS) consists of five Weapon Quality Assurance (WQA) metrics: Escapes (Incoming Material Report or IMR), Quality Assurance Inspection Procedure (QAIP) and Contractor Acceptance Verification (CAV), Scrap, Rework, Quality Acceptance Metric (QAM), and Travelers without Defects (TWOD). Some metric goals have been converted to ratio's enabling a better means to assess trends and performance. During FY 2021, FM&T achieved two of seven Quality metrics.

Goal	Result	Goal	Result
ESCAPES:		SCRAP Goal < 3.00%	YTD = 3.24%
- IMR/UR Goal < 0.081	YTD = 0.125	REWORK Goal < 1.00%	YTD = 0.63%
- QAIP Goal < 9.01	YTD = 5.12	QAM Goal > 90.08%	YTD = 88.21%
- CAV Goal < 12.86	YTD = 114.3	TWOD Goal > 67.00%	YTD = 59.59%

Goal 2: Mission Execution: Global Nuclear Security--Successfully execute the cost, scope, and schedule of the authorized global nuclear security mission work in a safe and secure manner to include the Defense Nuclear Nonproliferation, Nuclear Counterterrorism, and Counter Proliferation and Incident Response missions in accordance with DOE/NNSA priorities, Work Authorizations, and Execution/Implementation Plans.

Honeywell FM&T of Amount At-Risk Fee Allocation: \$4,473,700 Available Award Fee

Under this Goal, Honeywell FM&T earned a rating of Excellent and 95 percent of the award fee allocated to this Goal. Honeywell FM&T exceeded almost all of the Objectives and Key Outcomes, and met the overall cost, schedule, and technical performance requirements of the

contract under this Goal in the aggregate. During the year, the accomplishments significantly outweighed issues and no significant issues in performance exist. FM&T is meeting performance expectations within expected cost.

FM&T provided commendable support by continuing multiple procurements significant to the Dilute and Dispose program, including initiatives to significantly reduce the cost of consumable supplies for the program. In addition, FM&T began six months earlier than planned on the incorporation of Integrated Supply Chain (ISC) hourly labor into classified material management projects. To date, FM&T delivered more than 1,730 production quality kits and 100 training and evaluation sets to NNSA on a schedule which supported ramp-up activities at Savannah River Nuclear Solutions (SRNS). Quality assurance and quality control of delivered material has improved markedly over previous periods. Communication during recent months in adjusting to COVID-19 related impacts has been outstanding, and FM&T has been extremely responsive in identifying alternate methods of accomplishing work and eliminating schedule delays.

Specific examples of accomplishments within this goal include:

- Reviewed missile and national security-related export licenses.
- Provided support to the multilateral Missile Technology Control Regime (MTCR) activities.
- Supported certain Wassenaar-related matters.
- Printed an Intangible Technology Transfer handbook for the Australia Group.
- Delivered timely technical reviews of missile-related interdiction cases.
- Supported the Export Compliance Assistance Program.
- Continued development, review, and revision of course material on shipment targeting for enforcement and assessing export risk for licensing officials.
- Provided crucial support to the Office of Nonproliferation Policy's Regional Analysis & Engagement program through close contract and budget management.

FM&T demonstrated successful program execution of the Capability Forward Initiative through support for new response equipment development and validation, Nuclear Response Group Readiness Operations Center (NRGROC) facilities support and maintenance, equipment procurement and maintenance, and direct personnel support to 70 domestic and international training events and one international exercise. Additional successful results include:

- Met 100 percent manning of responders for watchbill requirements and scheduled events.
- Provided effective equipment management, maintenance, procurement and depot operations for Nuclear Forensics Operations.
- Utilized a new standard operating procedure for the equipment recapitalization (EQR) program this fiscal year that reduced cost by approximately \$1M by direct shipping the material to the end user.
- Provided logistics support for major exercise deployment during pandemic conditions with highly successful results.
- Delivered impactful training/exercise/operational support for the Joint Technical Operations Team JD 21-01, Marble Challenge 21, Golden Virginia 14, ARG Field Training Exercise, and Navy Strategic Systems Program.
- Provided operational planning support and training to Commander, EUCOM enhancing the U.S. Forces' ability to respond to nuclear emergencies.

FM&T completed the production of 12 Multiplicity Counters (MC-15s) for the Department of Justice, Department of Defense, and NA-84 and continued to provide maintenance support to more than 70 KCNSC-produced MC-15s deployed to nuclear incident response agencies across the U.S. and international partners.

Goal 3: DOE and Strategic Partnership Projects (SPP)-- Successfully execute high-impact work for DOE and Strategic Partnership Projects Mission Objectives safely and securely. Demonstrate the value of the work in addressing the strategic national security needs of the U.S. Government.

Honeywell FM&T Amount of At-Risk Fee Allocation: \$22,446,000 SPP Fixed Fee (\$12.9M GS/\$9.546M NWP)

Under this Goal, Honeywell FM&T earned a rating of Excellent and 95 percent of the award fee allocated to this Goal. FM&T exceeded almost all of the Objectives and met the overall cost, schedule, and technical performance requirements of the contract under this Goal in the aggregate. During the year, the accomplishments significantly outweighed issues and no significant issues in performance exist. FM&T is meeting performance expectations within expected cost.

FM&T executed \$489M [Nuclear Weapons Programs (NWP) \$224M and Global Security (GS) \$265M] in FY 2021 scope, supporting the DOE mission and strategic partners across the national security community. GS received 76 positive “Voice of the Customer” entries highlighting sponsor satisfaction with FM&T’s responsiveness and their ability to address sponsor concerns and meet commitments.

DOE work supported by GS included NWP and the Mk21 Arming and Fuzing Assembly (AFA). GS staff and equipment supported NWP Record of Assembly documentation, test equipment and quality engineering, tool and gage efforts, and Nuclear Enterprise Assurance assessments. GS created a new NWP Support program and provided more than 8,000 hours of labor to decrease NNSA mission risk. The Mk21 AFA team completed the development build, moved fully into Process-Prove-In, and achieved First Production Unit milestones on three major components on or ahead of schedule. FM&T hosted two major Air Force team reviews, the Independent Program Assessment Team who provided positive recognition of the program, and the Independent Technical Risk Assessment team in support of the DoD Milestone C acquisition process.

Specific examples of DOE accomplishments within this goal include:

- Qualified testers for the Launch Safety Device (LSD) two months ahead of schedule.
- Completed the B61-12 LEP Coded Switch Reacceptance Tester Conceptual and Final Design Reviews on a compressed timeline.
- Reviewed approximately 1,000 Commercial-off-the-Shelf component material compatibility analyses for Information Engineering Release disposition.
- Applied a Black Oxide Coating on tools/gages supporting multiple weapons programs, resulting in 80 percent time savings.
- Manufactured a new cable inspection fixture, supplying multiple copies of the fixture and avoiding a potential work stoppage.
- Identified and relocated equipment to support receiver and transmitter radar assembly

needs.

- Received full delivery of the first War Reserve sensors long lead procurement and completed the sensor Production Review.
- Completed Production Readiness Reviews for six major components.
- Completed Qualification Evaluation Release (QER) and Tester System Release for nine testers and QER for the FSIM Magnetics tester.
- Used improved Nuclear Enterprise Assurance process to conduct 300 vendor assessments, which allowed FM&T to focus on the most significant risk vectors to the NWP supply chain.
- Developed 71 briefings and 130 trigger/dashboard maps to assist the KCNSC COVID-19 Task Force.
- Supported the KC Long Term Expansion Plan (KCLTEP) development and delivery to NA-10 and NA-50.

SPP work provided support across the national security community. The GS dedication to the mission resulted in delivery of approximately 73,000 items, or 99 percent of the planned deliveries. GS focused on core capabilities to provide opportunities for the technical staff on technologies that benefit NNSA and SPP programs at KCNSC. The services provided include engineering, design, manufacturing, training and testing for a variety of quick response and longer term mission needs. Specific examples of SPP accomplishments within this goal include:

- Supported Los Alamos National Laboratory (LANL) with design and manufacturing assistance of cube satellite space vehicle hardware, including shipment of two space vehicles and environmental test support for the stockpile responsiveness program.
- Delivered four Advanced Transmitter deliverables in support of the Enhanced Navy Test Bed program.
- Created a new plant process leveraging GS procurement systems to implement an NA-10 federal requirement benefiting NWP.
- Completed acceptance testing of vehicle modification projects on an accelerated timeline resulting in vehicles being able to deploy immediately.
- Designed, developed, and produced scalable test boxes and bulk tray systems for a new testing technology in five weeks versus a six-week schedule.
- Delivered a tailored antenna training course on-site to a skilled audience; more advanced training was requested in the course feedback.
- Developed a modified tablet device that allowed a deaf individual to work and communicate inside secure environments, which became a more critical need due to the mask mandate.
- Manufactured custom sensors with early delivery, allowing the program to remain on critical path.
- Delivered special communications kits for validation, testing, and final use by high level officials with unique communication requirements.
- Delivered refurbished blast valves and a shock absorber cart to the Cheyenne Mountain Complex.
- Solved a trusted microelectronics critical need for a unique dicing process using existing equipment, which resulted in \$1.9M cost avoidance.
- Scoped and executed quick turn procurements for Naval Air Systems Command, which enabled the sustainment of two programs.

- GS and NWP collaborated on a mechanical assembly to meet the requirements of DoD, Department of Justice, and DOE customers, fabricating and assembling custom parts that can be configured into a final assembly in multiple ways.

Goal 4: Mission Executive: Science, Technology, and Engineering--Successfully advance national security missions and advance the frontiers of ST&E. Effectively manage Kansas City National Security Campus Plant Directed Research and Development (PDRD) and Technology Transfer programs in a safe and secure manner in accordance with DOE/NNSA priorities, Work Authorizations, and Execution/Implementation Plans.

Honeywell FM&T Amount of At-Risk Fee Allocation: \$0 Available Award Fee

Under this Goal, Honeywell FM&T earned a rating of Excellent and 99 percent of the award fee allocated to this Goal. Honeywell FM&T exceeded almost all of the Objectives and met the overall cost, schedule, and technical performance requirements of the contract under this Goal in the aggregate. During the year, the accomplishments significantly outweighed issues and no significant issues in performance exist. FM&T is meeting performance expectations within expected cost.

FM&T developed LayerUP, a custom software package for Direct Ink Write (DIW) Additive Manufacturing (AM). LayerUP combines capabilities to generate complex toolpaths to correct for substrate surface variations, and to handle high precision multi-material dispensing and flow control. LayerUP also provides a user-friendly interface and quality control capability for NSE production qualification needs. Compared to the previous toolpath generation software, LayerUP reduced toolpath generation computation runtime from a few hours to a few minutes.

The AM Pads and Cushions team developed and deployed a custom coating system. This technology will replace the current coating processes for current and future systems.

The AM Thermosets team established the capability to print composites using existing tools. In collaboration with Lawrence Livermore National Laboratory (LLNL), the team rapidly on-boarded the technology, printed eight different prototype iterations, and delivered five parts to LLNL for analysis ahead of schedule. As a W87-1 technology down-select option, this material and process provide advanced manufacturing technologies that are readily adaptable to design changes and potentially more manufacturable than conventional lay-up technologies.

FM&T delivered the first Optical Initiation (OI) hardware and the production strategy to the Technology Readiness Team as demonstration of form and function. In collaboration with Sandia National Laboratories New Mexico (SNL/NM) and LANL, the hardware was designed and built in just over a year and a half and is expected to be the baseline technology for future weapon systems.

FM&T closed a gap identified in FY 2019 on Office of Science and Technical Information (OSTI) submission of technical publications. There were 51 publications uploaded in FY 2021 and work is ongoing to ensure future publications are considered for submission. Through FY 2021, there were 120 invention disclosures filed, 30 patent applications filed, and 32 patents awarded.

Goal 5: Mission Enablement--Effectively and efficiently manage the safe and secure operations of the Kansas City National Security Campus in accordance with cost, scope and schedule while maintaining an NNSA enterprise-wide focus; demonstrating accountability for mission performance and management controls; successfully executing cyber, technical, informational, and physical security requirements, and assure mission commitments are met with high-quality products and services while partnering to improve the site infrastructure. Performance will be measured by the contractor's assurance system, NNSA metrics, cost control, business and financial operations, project baselines, implementation plans, assessment and audit results, etc., with a focus on mission enablement.

Honeywell FM&T Amount of At-Risk Fee Allocation: \$13,421,100 Available Award Fee

Under this Goal, Honeywell FM&T earned a rating of Excellent and 91 percent of the award fee allocated to this Goal. Honeywell FM&T exceeded almost all of the Objectives and met the overall cost, schedule, and technical performance requirements of the contract under this Goal in the aggregate. During the year, the accomplishments significantly outweighed issues and no significant issues in performance exist. FM&T is meeting performance expectations within expected cost.

FM&T developed and executed an improvement project for the handling, packaging, and characterization of TRU (Transuranic) Waste at LANL. FM&T delivered the final report to the customer on-time and under budget.

FM&T recapitalization planning, execution, and costing have been successful this FY for all construction projects, including three successful preliminary designs of the NA-50 requested program to create uniform construction templates across the complex.

FM&T facilities and program management used innovative methods to minimize COVID-19 related supply disruptions to the KC Short Term Expansion Plan (KCSTEP) projects. FM&T also substantially completed tenant improvements for its New Mexico Operations (NMO) which created inner areas to support the Integrated Surety Architecture (ISA) HUB program. However, during the rating period, FM&T real estate actions failed to consistently follow NA-50 real property requirements.

FM&T facilities and program management successfully continued execution of the KCSTEP and completed tenant improvements and occupancy projects. FM&T also initiated projects to expand capacity this rating period; however, FM&T fell behind on occupancy scope execution associated with KCSTEP. This resulted in \$18.6M in carryover to FY 2022 in the Safety Infrastructure and Operations (SIO) budget.

FM&T continued the KC Long Term Expansion Plan (KCLTEP) and partnered with NA-194 by providing data to develop a Make/Buy Dashboard, real estate options, and a mission needs statement and program of requirements document. In addition, FM&T partnered with NA-13 for the completion of the KCLTEP independent cost review.

FM&T equipment maintenance successfully completed 89 percent of high priority repairs in one day or less, exceeding their annual goal of 85 percent.

FM&T did not create a realistic budget for Above Standard Operations and Maintenance costs based on historical cost increases, which led to a funding shortfall that must be made up during FY 2022.

FM&T received a “Pass” on all of NA-MB’s measures. FM&T delivered efficient, effective, responsible, and transparent financial management operations and systems this fiscal year. FM&T also effectively managed corporate indirect rate variances and indirect costs, in accordance with Key Outcome 5.1, this fiscal year.

Overall, FM&T exceeded its small business goals (actual 57.4 percent versus target of 54 percent) and exceeded expectations in small business goals for all six socio-economic categories. In support of small business, FM&T hosted a Virtual HUBZone Open House on March 24 with a presentation by the SBA HUBZone Program Director.

FM&T effectively collaborated and responded to NNSA on multiple data calls and COVID-19 cost reports, participated in joint hiring events, accepted and implemented unilaterally issued contract modifications related to the COVID-19 pandemic without delay, and supported the NSE Recruitment/Workforce Strategy Group.

KCNCS supported the ongoing quality assurance review for fissile and Type B packaging procurement work. KCNCS worked to focus the review on recent packaging activities performed in the past five years, and future procurement of Type B packages. NNSA involvement was needed to ensure KCNCS addressed 10 CFR 71 Subpart H, the applicable quality requirements for these package procurements.

FM&T Security provided critical support for multiple facility expansion efforts during the year; one new facility was certified for classified operations and two for property protection. FM&T began protective force qualification activities at the Grandview Police Department range utilizing an innovative co-use contract. The contract provided necessary funding to the city for construction in exchange for a state-of-the-art Protective Force training facility at a fraction of the cost NNSA would have incurred maintaining and building its own range. During this rating period, security incident self-report rates indicated a healthy security culture. There was marked improvement in both the quality of corrective action plans and the number of repeat findings.

The integration and quality of FM&T Security planning documentation have been an ongoing issue that frequently requires rework. The automated work-flow system of reviews and approvals implemented this fiscal year may help improve submissions.

FM&T Cyber Security performed at a high level ensuring the security of NNSA’s systems and data and facilitated mission execution. The FM&T Cyber Security team maintained and excelled at rigorous vulnerability scanning and patching schedules aligned with the Department of Homeland Security (DHS) and CyberSecurity and Infrastructure Security Agency (CISA) requirements.

FM&T IT supported the remote work initiatives, enabling business processes during COVID-19.

Efforts such as replacement of the KCNSC teleconferencing system and NMO's VoIP system allowed the remote worker to be more efficient and effective.

During this period, the FM&T Law, Contracts, and Export Control group improved NNSA operations by executing a Contact Tracing MOU with partners across the complex to enhance interoperability during COVID-19 operations, and continued to provide leadership in providing information and encouraging interaction between sites, HQ NNSA and field office legal counsel. The office enhanced KCNSC Buy American Act processes, upgraded and promoted intellectual property and tech transfer programs, and streamlined standard work practices to enhance work orders and corporate Honeywell agreements.

KCNSC Emergency Response Organization (ERO), led by FM&T, conducted effective exercises and training, implemented lessons learned, and implemented software during the rating period to meet KCFO expectations.

FM&T effectively collaborated and responded to NNSA on multiple data calls and COVID-19 cost reports, participated in joint hiring events, accepted and implemented unilaterally issued contract modifications related to the COVID-19 pandemic without delay, and supported the NSE Recruitment/Workforce Strategy Group.

FM&T Health, Safety and Environment (HS&E) met their annual goals for Total Recordable Cases (TRC), Days Away, Restricted or Transferred (DART) and the Common Balanced Scorecard Index metrics.

FM&T collaborated with KCFO in planning and executing work safely despite COVID-19 realities which have redefined work practices. To date, integrated work planning and control remains effective.

In April 2021, FM&T received the Missouri Water Environment Association 2020 Platinum Industrial Wastewater Committee Pretreatment Award.

Goal 6: Mission Leadership--Successfully demonstrate leadership in supporting the direction of the overall DOE/NNSA mission, cultivating a Performance Excellence Culture that encompasses all aspects of operations and continues to emphasize safety and security, improving the responsiveness of Honeywell FM&T's leadership team to issues and opportunities for continuous improvement internally and across the Enterprise, and parent company involvement/commitment to the overall success of the Kansas City National Security Campus and the Enterprise.

Honeywell FM&T Amount At-Risk Fee Allocation: \$8,947,400 Available Award Fee

Under this Goal, Honeywell FM&T earned a rating of Very Good and 85 percent of the award fee allocated to this Goal. Honeywell FM&T exceeded many of the Objectives, and met the overall cost, schedule, and technical performance requirements of the contract under this Goal in the aggregate. During the year, the accomplishments slightly outweighed issues and no significant issues in performance exist. FM&T is meeting performance expectations within expected cost.

FM&T leadership did an excellent job developing a response plan, restarting operations, and collaborating with Design Agency (DA) subject matter teams and FM&T leadership focus is needed to validate corrective action effectiveness.

FM&T leadership remained engaged and proactive in identifying NA-12 integration concerns and opportunities during bi-weekly NA-12 workload integration meetings which were established to monitor and maintain commitments during a COVID operating environment. FM&T leadership continued to effectively partner with DA leadership to develop and propose a long term enterprise tester strategy.

FM&T effectively collaborated with DA counterparts and made significant progress on burning down of the large open non-conformance volume. Continued leadership focus is needed to detect, prevent, and continue burn-down of existing non-conformances. High volume open non-conformances reduce the availability of executable material on the production floor and adversely impact program delivery schedules. FM&T effectively collaborated with DA counterparts and federal partners to resolve known Record of Assembly (ROA) issues impacting major component schedules. FM&T deployed an automated method to detect ROA issues on future component builds and leadership attention is needed to ensure ROA issues, identified through the automated method, are effectively resolved.

Jointly with the DA, FM&T is a member of product realization teams and has a shared responsibility to develop solutions to technical challenges identified during or after product or tester qualification. In some instances, NNSA has been requested to develop solutions to enable resolution of technical issues that originated through the product realization process where historically these issues have been resolved through effective DA/PA collaboration without additional NNSA direction.

For stockpile system programs, FM&T leadership is lacking clear oversight of cost estimating practices, procurement and production execution projections which caused material impacts on programmatic schedules and costs.

FM&T collaboration and corporate best practices efforts utilized a 3rd party COVID-19 vaccine administrator provided by Honeywell Corporate under the Master Service Agreement (cost saving \$115.6K) resulting in over 70 percent of employees being vaccinated.

Strategic Sourcing is leading Commercial Supply Chain Sustainment by focusing on multi-site contracts, standardized terms and conditions, and a supply menu concept which showcases capability, capacity, and performance across the production supply base within the enterprise.

FM&T demonstrated professional excellence by achieving a maturity rating of “Leading” from HS&E Honeywell Corporate, the highest score a site can obtain. This represents a clear testament to how FM&T continues to leverage corporate reach-back by integrating a world class HS&E Management System, and completed the ISO 9001, ISO 14001, and ISO 45001 certification extension audit resulting in 48 positive indicators and 13 noteworthy efforts.

FM&T successfully operated the Supply Chain Management Center (SCMC) during this rating period and executed a construction industry day, as well as 1,327 enrollments in the Contractor Acquisition University. These contracts represented an overall benefit to the NNSA complex and resulted in strategic savings of \$415.3M this FY. SCMC issued 13 new Agreements for Title I-III Architect & Engineering services for design of new construction, renovation, repair and upgrades of existing infrastructure and facilities by registered architects and engineers at Environmental Management (EM) and NSE sites. The total value of all Agreements is \$650M, with a savings rate of approximately 1 to 3 percent below GSA pricing. Relative to site continuous improvements, FM&T reported \$120.7M in realized cost savings and avoidance against a goal of \$90M.

The Roof Asset Management Program (RAMP) cost \$51.4M for replacement of roofs considered to be in failing condition at mission critical locations. RAMP completed 22 roofing projects, 24 percent higher than FY 2020. One of the most significant projects involved Tech Area 55 that supports the pit production located at LANL.