FY2020 Performance Evaluation Summary

**Contractor:** Triad National Security, LLC  
**Contract:** 8923318CNA000001  
**Evaluation Period:** October 1, 2019 through September 30, 2020  
**Basis of Evaluation:** Fiscal Year (FY) 2020 Performance Evaluation and Measurement Plan (PEMP)  

### Award Fee Scorecard

<table>
<thead>
<tr>
<th>Goal</th>
<th>Rating</th>
<th>Adjectival</th>
<th>Percent</th>
<th>At Risk Available</th>
<th>Final</th>
</tr>
</thead>
<tbody>
<tr>
<td>Goal-1: Mission Execution: Nuclear Weapons</td>
<td>Very Good</td>
<td>90%</td>
<td>$8,933,536</td>
<td>$8,040,182</td>
<td></td>
</tr>
<tr>
<td>Goal-2: Mission Execution: Global Nuclear Security</td>
<td>Excellent</td>
<td>95%</td>
<td>$3,828,658</td>
<td>$3,637,225</td>
<td></td>
</tr>
<tr>
<td>Goal-3: DOE &amp; Strategic Partnership Projects Mission Objectives</td>
<td>Excellent</td>
<td>91%</td>
<td>$ -0-</td>
<td>$ -0-</td>
<td></td>
</tr>
<tr>
<td>Goal-4: Science, Technology &amp; Engineering (ST&amp;E)</td>
<td>Excellent</td>
<td>95%</td>
<td>$ -0-</td>
<td>$ -0-</td>
<td></td>
</tr>
<tr>
<td>Goal-5: Mission Enablement</td>
<td>Very Good</td>
<td>80%</td>
<td>$7,657,317</td>
<td>$6,125,854</td>
<td></td>
</tr>
<tr>
<td>Goal-6: Mission Leadership</td>
<td>Excellent</td>
<td>91%</td>
<td>$5,104,878</td>
<td>$4,645,439</td>
<td></td>
</tr>
<tr>
<td><strong>Total Award Fee</strong></td>
<td>Very Good</td>
<td>88%</td>
<td>$25,524,389</td>
<td>$22,448,700</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th></th>
<th>Available</th>
<th>Final</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fixed Fee</td>
<td>$20,019,128</td>
<td>$20,019,128</td>
</tr>
<tr>
<td>SPP (Fixed Fee)</td>
<td>$3,278,931</td>
<td>$3,278,931</td>
</tr>
<tr>
<td>Total Fixed Fee</td>
<td>$23,298,059</td>
<td>$23,298,059</td>
</tr>
<tr>
<td><strong>Total Fee (Award Fee and Fixed Fee)</strong></td>
<td><strong>$48,822,448</strong></td>
<td><strong>$45,746,759</strong></td>
</tr>
</tbody>
</table>

The COVID-19 pandemic necessitated Triad transitioning approximately 85% of its workforce to telework who successfully conducted mission critical work demonstrating strong resilient management in crisis. Overall, Triad earned a Very Good rating for FY2020, and an overall percentage rating of 88.0%, 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**
- The Laboratory is meeting objectives for executing mission-critical work and supporting stockpile activities.
- Triad supported completion of the last production unit for the W76-2 and provided excellent support for the B61-12, the W88 Alteration 370, the W88 ALT 940 program and numerous other ALTs but COVID-19 related impacts slowed the pace of work.
- The Laboratory made progress on preparation and execution of experiments at local firing sites and partner facilities.
• The Laboratory provided support to the Savannah River Site planning and design of its Plutonium Processing Facility.
• Triad exceeded planned deliverables for activities associated with the Material Recycle and Recovery program, including completing cleanout of Confinement Vessel Disposition 9 and relocation of CVD 10.

Goal 2
• Provided critical support to high profile missions to remove disused radioactive sources.
• Provided excellent support for remediation efforts in FY20 for the May 2019 release of cesium-137 in Seattle including drafting an exemplary safety plan to allow remediation to continue.
• Triad, in space-based nuclear detonation detection, is performing at a high level as the lab lead to integrate one operational and one experimental payload onto a DoD satellite.
• Triad adapted well to the pandemic; sustaining readiness and developing novel and creative alternatives for retaining proficiency and support for Nuclear Emergency Search Team (NEST) programs.
• Triad continued to provide strong technical support to the U.S. High Performance Research Reactor Project for domestic development of Mo99.
• Los Alamos was successful in converting, processing, packaging and analyzing 8 blend-lots of Pu as oxide from a nuclear device.
• Triad provided excellent technical and programmatic leadership of a diverse nuclear forensics venture team developing improved ways to gain information about a nuclear device.

Goal 3
• The Laboratory successfully performed high impact work of DOE and Strategic Partnership Projects, taking extraordinary actions to execute COVID-19 related projects and other mission-essential projects.
• The Laboratory exhibited noteworthy performance in their continued delivery of isotope products.
• The Laboratory successfully manufactured Two Pu Pucks in support of the Department of Homeland Security.
• Triad awarded and executed new high-impact projects in strategically significant areas.
• Triad successfully initiated and executed a formal risk review process for DOE/FCI programs, that provides the opportunity to self-critically and transparently identify and address programmatic risk and challenges.

Goal 4
• Triad exceeded expectations by enhancing technical workforce competencies, ensuring that research is transformative and relevant to national security missions.
• Laboratory scientists received a number of prestigious awards.
• Triad used historical data to discover parameters that better predict whether underground nuclear explosions will lead to late-time radioactive gas seepage and verification of nuclear test ban treaties.
• Triad leveraged innovative solutions to maintain a viable summer school program.
• Triad executed thirteen new Cooperative Research and Development Agreements or amendments.
• Triad added an additional Laboratory Directed Research and Development investment type that aligned with Laboratory priorities including COVID-19.

Goal 5
• Triad worked to de-inventory Transuranic waste containers from the site and increased shipping rates.
• Triad implemented a COVID-19 task force which ensured effective management of the pandemic.
• Triad made improvements in safety culture, conduct of operations systems, and safety basis.
• Triad performed significant work to re-establish the Wildland Fire Program.
• The Laboratory provided exemplary emergency response for legacy waste on DP Road, excellent removal and shipments of Type A quantity nuclear materials from Lovelace Biomedical Research Institute, and performed well on the Chemistry and Metallurgy Research Replacement project.
• Triad provided strong leadership and support for environmental compliance, with only minor issues.
• Triad delivered efficient and effective business operations and budget and financial performance.
• Triad provided exceptional support to the NSE Workforce Strategy Group with impactful initiatives.
• Triad met expectations on line item projects, with six meeting, one below, and three above expectations.

Goal 6
• Triad demonstrated excellence during the COVID-19 pandemic highlighted by effective personnel accounting and reporting processes, an online onboarding process, continued hiring, PPE and cleaning supply procurement, testing and analysis facilities, increased productivity, and effective telework policies.
• Triad launched a new mission, vision, and values statement to support long-term systematic changes.
• Triad employs an assurance practice that evaluates risks and issues Weapons and Global Security Program.
• Triad initiated several process improvements in MC&A efforts of improved collaboration.
• Triad demonstrated considerable leadership in its involvement with DP Science execution collaborations.
• Triad’s investment in critical skills development is beginning to demonstrate operational improvements.
• Triad’s Safety Culture initiatives demonstrate workforce/operational improvement and risk reduction.
• Improvement trends in alarm response and reporting demonstrate effective corrective action implementation and management's commitment to safety.

Issues:
Goal 1
• The Laboratory did not meet all scheduled Pit development builds but has improved process reliability
• The Laboratory needs to demonstrate advancements in efforts on the ASD and ECSE projects in order for NNSA to have confidence these projects will be achieved.

Goal 3
• Triad experienced a glovebox breach which prevented them from making progress on the 6 FY 19 Fueled Clads (FC) and the 9 FY 20 FC as well as completion of Hotpress (HP-4) installation.

Goal 5
• Triad did not always identify legacy issues before they manifested into security and maintenance issues.
• Triad was challenged in engineering quality management at facilities and encountered challenges in cyber security, IT Programs, and had improper access controls.
• Triad inconsistently delivered quality and signature ready documentation across the organization.
• Triad did not meet four of the six small business goals and struggled with some small business relationships.

Goal 6
• Triad’s methods for validating effectiveness of assurance system processes are not completely effective but the lab has made improvements in quality, issues management and overall contractor assurance.
• Triad did not always bring all resources to bear to develop well defined technical solutions that stand-up to scrutiny, acting as a strong accountable leader defining and defending critical activity and project needs.