**Instructions:** 1. Provide detailed attachments as appropriate and check the box to indicate a document is attached.

**Section A**

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| **Origination** (ddMonyy) (type in expandable field) 31Mar20 | **PCR title**: EMCal Powder placed contract delivery schedule: TPC SAMPA placed contract updates. |
| **WBS No**(s) 1.2.5.3; 1.3.1.3 |
| **Type of change** (Check all that apply; give details in Section B.)**Technical** **[ ]**  **Schedule** **[ ]** **Cost** **[x]**  **Administrative** **[ ]** **Use of contingency funds?** Y **[x]** N [ ]  | **Directed change?** Y **[ ]  Brief reason for change:**       **Level of change** (Level affects signatures needed in Concurrence… section.) **3** [x]  **2** [ ]  **1** [ ]  Project Levels If this PCR requires a phased implementation, check here. [ ]  |
| **Exception to the 2-month PCR freeze period:****1 - Contracts and POs should be allowed without this restriction [ ]****2 - Vendor Contract/PO awards [ ]****3 - Scope omissions [ ]****4 - Customer approved changes [ ]** |

**Section B**

|  |
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| **Summary of change:** EMCal Production Part 2 WPowder delivery change based on placed contract; EMCal block production contract labor cost increase based on placed contract; TPC SAMPA chip schedule updates based on placed contract  Attachments? Y[x]  |

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| **Technical change**  Description (include interfaces with other elements)           Attachments? Y [ ]  |

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| **Detailed cost estimate with basis for estimate**  Description with basis        Total change in $K          Attachments? Y [ ]  |

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| **Cost baseline impact** Orig. cost, $K 22,132.9 Est. revised, $K 22,193.8 Est. change, $K 60.9 **Final budgeted cost, $K 22,193.8** |

Description       Attachments? Y [x]  EAC or Risk ID #

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| **Schedule impact**       Attachments? Y [ ]  |

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| **Administrative impact** Labor costs [ ]  Material costs [ ]  Changes WBS dictionary? Y [ ]  N [ ]  if Y, highest **WBS** **level** affected: 4 [ ]  3 [x]  2 [ ]  |

Major(>$25K) procurement [x]  Description        Documentation update required? Y [ ]  N [ ]          Attachments? Y [ ]

**Section C**

**Funding source and impacts on funding and contracts**  MIE Contingency ($K)

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|  | Before: | $ 4,867.1 |
|  This requisition:  | $ (60.9) |
| New net: | $ 4,806.2 |

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| **MIE Cost Baseline in $K** |  | FY19 | FY20 | FY21 | FY22 | FY23 | TOTAL |
| **Baseline Proposed Change (BCWS)** |  |       | $21,0 | $39.9 |       |       | 60.9 |
| **Total Project Cost (TPC) in $K** | Baseline DOE PCR       | Change | Proposed Baseline PCR       |
|  |  |  |  |
| **WBS 1.1 sPHENIX Project Management** | $1,951.7 |  | $1,951.7 |
| **WBS 1.2 sPHENIX Time Projection Chamber** | $4,169.6 |  | $4,169.6 |
| **WBS 1.3 sPHENIX EMCal** | $5,196.1 | $60.9 | $5,257.0 |
| **WBS 1.4 sPHENIX HCal** | $4,032 |  | $4,032 |
| **WBS 1.5 sPHENIX Calorimeter Electronics** | $5,373.2 |  | $5,373.2 |
| **WBS 1.6 sPHENIX DAQ & Trigger** | $1,240.2 |  | $1,240.2 |
| **WBS 1.7 sPHENIX MinBias Trigger Detector** | $170.1 |  | $170.1 |
| **Total Cost** | $22,132.9 | $60.9 | $22,193.8 |
| **MIE Contingency** | $4,867.1 | ($60.9) | 4,806.2 |
| **Total Project Costs**  | $27,000.0 |  | $27,000.0 |
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**Concurrence and approvals**

The originator’s name should be typed in the space provided (27-character limit).

 A Level 4 PCR requires concurrence of (sPHENIX Project Controls Manager), and approval from the SPHENIX Project Manager.

A Level 3 PCR requires concurrence of (sPHENIX Project Controls Manager, sPHENIX Resource Coordinator, sPHENIX Project Manager) and approval from the SPHENIX Project Director.

A Level 2 PCR requires concurrence of (sPHENIX Project Controls Manager, sPHENIX Resource Coordinator, sPHENIX Project Manager, sPHENIX Project Director) and approval from the Associate Lab Director NPP.

A Level 1 PCR requires all previous concurrence of (sPHENIX Project Controls Manager, sPHENIX Resource Coordinator, sPHENIX Project Manager, sPHENIX Project Director, Associate Lab Director NPP) and approval from the Lab Director.

A Level 1 PCR requires Level 1 concurrences and approval and in addition approval of the DOE Program Office and BHSO Official(s) named below.

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| **Originator/CAM** |  | Craig Woody & Tom Hemmick |  |
| **SPHENIX Level 2 Manager** |  | Craig Woody & Tom Hemmick |  |
| **SPHENIX Project Controls Manager** |  | Irina Sourikova |  |
| **sPHENIX Resource Coordinator** |  | Cathleen Lavelle |  |
| **SPHENIX Project Manager** |  | Glenn Young |  |
| **sPHENIX Project Director** |  | Ed O’Brien |  |
| **Associate Lab Director NPP** |  | Berndt Mueller |  |
| **Lab Director**  |  | Doon Gibbs |  |

 Official’s typed name Signature Date (ddMonyy)

|  |  |  |  |  |  |  |
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| **Level 1 Change**DOE/SC Change Action |  |  |  |  |  |  |

 Brookhaven Site Office (BHSO)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Level 1 Change** DOE/SC Change Action |  |       |  |  |  |  |

 Federal Program Manager (NP)