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| **THA Author:** | | Marcy Stutzman | | | | |
| **Date:** | 4/23/08 | | **Task #:** |  | **Frequency of use:** | Frequently |
| **Complete all information. Use as many sheets as necessary** | | | | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Task Location:** | | | | EEL118, Test cave, Inj Tunnel | | **Task Title:** | Baking vacuum systems | | | |
| **Division:** | ACC | | | | | **Prepared by:** | | Marcy Stutzman | | |
| **Department:** | | | CIS | | | **Reviewed by (employee):** | | | |  |
| **Supervisor:** | | Matt Poelker | | | | **Approved by:** | | |  | |
| **Standard Requirements:**  **(PPE, TOSPs, SOPs, etc.)** | | | | |  | | | | | |

| **Sequence of Job Steps** | **Potential Hazards** | **Risk Code**  **before mitigation** | **Proposed Mitigation**  **Safe Procedures/Practices/Controls** | **Risk Code**  **after mitigation** |
| --- | --- | --- | --- | --- |
| Insulate vacuum chamber for bake | Fiberglass inhalation  Lifting oven panels | 1 | Appropriate respirator and respirator training if loose fiberglass insulation is used  Proper lifting technique: lift with legs, do not twist during lift, use carts as appropriate to transport oven panels | 1 |
| Taping gaps to maintain heat | Cutting tape, odor | 1 | Put tape in low heat areas where possible  Charcoal air purifier if odor is a problem  Use care with cutting tools | 0 |
| Wrap heat tapes or turn on heater | Hot surfaces  Electrical shorts with heat tape | 1 | Post proper signage to notify others of hot surfaces, and avoid touching with bare skin  Always use heat tapes with a GFCI outlet to protect in event of electrical short | 0 |
| Remove corrector magnets, disconnect solenoids on gun NEG tubes | Shock hazard from Magnet power supplies | 1 | Ensure that Magnet power supplies are set to zero before removing magnet power connectors | 0 |

When completed if the analysis indicates that the Risk Code before mitigation for any of the steps of this task is “medium” or higher (RC≥3), then develop a formal Work Control Document (WCD) (See [ES&H Manual Chapter 3310 Work Control Documents](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-16134)) for the task, attach this THA, have it reviewed and approved prior to beginning the work in accordance to [ES&H Manual Chapter 3310 Work Control Documents](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-16134).