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C-A OPERATIONS PROCEDURES MANUAL

12.2 Checking for Insulating Gas Leaks

Text Pages 2 through 3

Hand Processed Changes

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Approved: \_\_\_\_\_ ***Signature on File*** \_\_\_\_\_  
Collider-Accelerator Department Chairman Date

M. Wiplich

## 12.2 Checking for Insulating Gas Leaks

### 1. **Purpose**

The purpose of this procedure is to define the time interval for insulating gas leak checking and to define the areas to be checked.

### 2. **Responsibilities**

It is the responsibility of the TVDG Group Leader, or TVDG Operations Supervisor, to insure that this procedure is completed and documented in a timely manner each year, in accordance with the [C-A OPM 2.5.1](#).

### 3. **Prerequisites**

The person, or persons, executing this procedure, shall have all formal training required of a TVDG Operator.

### 4. **Precautions**

None

### 5. **Procedure**

5.1 Verify that the halogen gas 'sniffer' is operating correctly.

5.1.1 Verify that the 'sniffer' is calibrated as per manufacturer's recommendation.

5.2 Referring to the PERM procedures given below, check for leaks at all pressurized joints using the halogen gas 'sniffer'.

5.2.1 PERM Procedure 001 - MP-7 High Energy Area.

5.2.2 PERM Procedure 003 - MP-7 Low Energy Area.

5.2.3 PERM Procedure 018 - MP-6 High Energy Area.

5.2.4 PERM Procedure 020 - MP-6 Low Energy Area.

5.2.5 PERM Procedure 101 - MP-7 High Energy Pit Area.

5.2.6 PERM Procedure 102 - MP-7 Low Energy Pit Area.

5.2.7 PERM Procedure 103 - MP-6 High Energy Pit Area.

5.2.8 PERM Procedure 104 - MP-6 Low Energy Pit Area.

5.3 Leaks are to be repaired immediately if possible and noted as such.

5.4 All leaks are to be recorded on the Master List indicating the magnitude of the leak.

**6. Documentation**

Log entries as required.

**7. References**

None

**8. Attachments**

None