PARAG-6

ROCHESTER GAS AND ELECTRIC CORPORATION

GINNA STATION

CONTROLLED COPY NUMBER 9

GINNA STATION
UNIT #1
COMPLETED
DATE:-
TIME:-

PROCEDURE NO. PT-25 REV. NO. 3

CONTAINMENT POST ACCIDENT CHARCOAL FILTER BY-PASS FLOW

TECHNICAL REVIEW

PORC 3-31-80

TR Schuler
QC REVIEW

4-9-80
DATE

APPROVED FOR USE

for JC Moon
PLANT SUPERINTENDENT

4-9-80
DATE

QA .X NON-QA _____ CATEGORY 1.0

REVIEWED BY: _____

THIS PROCEDURE CONTAINS 4 PAGES.

8009160 578

PERIODIC TEST PROCEDURE PT-25

CONTAINMENT POST ACCIDENT

CHARCOAL FILTER BY-PASS FLOW

1.0 PURPOSE:

1.1 To determine the by-pass flow of the containment post accident charcoal filters (A & B Units).

2.0 TEST REQUIREMENTS:

2.1 The acceptance criteria for each post accident charcoal filter bank is that each bank shall exhibit $\leq$ 1% by-pass flow.

2.2 Each charcoal filter bank pressure drop shall not be in excess of three inches of water.

3.0 REFERENCE:

3.1 Plant Technical Specification, Section 4.5.2.3.

4.0 INITIAL CONDITIONS:

4.1 Plant is at the cold or refueling shutdown status. _____

4.2 The A & C containment recirculation fans are available for operation and their air flow paths may be aligned to the respective post accident charcoal filter bank as desired. _____

4.3 All vendor documentation required by the applicable purchase order prior to start of work has been submitted and found acceptable.

P. O.# _____

QC Supervision _____

4.4 A SWP has been issued for the job. _____

4.5 Test personnel are qualified in accordance with A-1102. _____

5.0 PRECAUTIONS:

5.1 Radiation protection practices will be observed at all times.

6.0 INSTRUCTIONS:

NOTE: If only one unit is to be tested, mark other one N/A.

		"A" Unit	"B" Unit
6.1	If carbon samples are required for iodine efficiency testing an absorber cell must be removed and replaced before testing takes place (the exact location of this sample cell must be recorded).	_____	_____
6.2	Thoroughly inspect the filter bank undergoing testing for damaged charcoal cells, condition of and proper compression of cell gaskets and other mechanical defects through whicy by-pass flow may occur.	_____	_____
	NOTE: List all observed deficiencies and corrective actions taken to assure satisfactory test results.		
6.3	Properly align dampers of unit to be tested so that the air flow from the associated containment recirculation unit is flowing through the charcoal bank.	_____	_____
	NOTE: Damper may be properly aligned by pressing in the armature of Relay CF1A-L (RA2 rack in relay room) for the A charcoal unit and Relay CF1C-L (RA-3 rack in relay room) for the B charcoal unit.		
6.4	Verify the following:		
6.4.1	Normal Loop Entry damper closed.	_____	_____
6.4.2	Charcoal Bank inlet damper open.	_____	_____
6.4.3	Charcoal Bank outlet damper open.	_____	_____
6.5	Start associated recirc. fan for charcoal bank undergoing test (A fan for A bank), (C fan for B bank).	_____	_____
6.6	Mass air flow through charcoal bank has been determined and recorded on attached data sheet.	_____	_____
6.7	Determine the charcoal filter bank differential pressure and record on data sheet.	_____	_____
	NOTE: No Δ P devices are installed on these units hence the upstream and downstream static pressures may be secured with a pitot tube. The difference of these readings are to be considered as the bank Δ P.		

		"A" Unit	"B" Unit
6.8	Connect downstream sample line and determine background.	_____	_____
6.9	The F-11 gas will be injected and a zero time established, the concentration ratio will be recorded and plotted to zero time to give a mechanical leak rate (percent penetration). Record by-pass flow on data sheet.	_____	_____
6.10	If a leak rate in excess of 1% is found, the leakage path will be located and remedial action will be taken (as per vendor's recommendation). Retest as required.	_____	_____
6.11	After test is completed actuate the reset button for relays of step 6.3 and verify the following:		
6.11.1	Normal Loop entry damper open.	_____	_____
6.11.2	Charcoal filter bank inlet damper closed.	_____	_____
6.11.3	Charcoal filter bank outlet damper closed.	_____	_____
6.12	The vendor will submit, at a future date, a complete report of test results.	_____	_____

COMPLETED BY (RG&E): _____

(VENDOR): _____

DATE COMPLETED: _____

SHIFT SUPERVISOR: _____

RESULTS AND TEST REVIEW: _____ DATE: _____

DATA & COMMENT SHEET

	"A" Unit	"B" Unit
Unit Air Flow	_____CFM	_____CFM
Unit Filter Bank differential	_____"H^2o	_____"H^2o
% Bypass Flow (if applicable)	_____ %	_____ %
% Efficiency (if applicable)	_____ %	_____ %
Location from which charcoal cell was removed for sample. (if applicable)	_____	_____

COMMENTS "A" UNIT:

COMMENTS "B" UNIT: