



Dec. 8, 1983

Procedure for Decon of Ozone Vent Area

The purpose of this procedure is to outline a plan for decontamination of the former Ozone Vent to facilitate it's use as a vent Port for the Building's Ventilation System. The area readings at roof level are 0.17 mr/hr and 0.2 mr/hr at the base of the vent. Smear surveys show values of 50-200 dpm's. The procedure for decon of the inside of the duct area will be essentially to treat it as a glove box. The procedure is as follows:

- 1.) The employees to perform the procedure will be dressed in full decon suits and respirators will be worn by proper procedures.
- 2.) Air sample monitor will be operated during the operation.
- 3.) The Roof port of duct (external) will be sealed by plastic and duct tape.
- 4.) Once the vent port has been sealed at roof level the ozone fan will be disconnected (electrically) and then the fan itself shall be segmented from the duct connected to the larger duct port. The fan shall be removed from the area and smear surveyed. It is not suspected of being contaminated.
- 5.) The base of the duct area insert shall be removed by first removing the screws attached through the duct work. A bag (plastic) shall then be placed over the entire duct and the base plate removed into the bag. Immediately another bag will be placed over the duct area.
- 6.) One person will then place an incision into the bag to allow insertion of hand and arm into the opening.
- 7.) With the persons' glove sealed to the decon suit and with a wadding of paper toweling dampened with Radiac Wash the individual will insert his hand and arm and begin swabbing the interior of the duct passageway. After each swabbing period a five minute settle time shall be observed once the individual has removed his arm and sealed the opening.
- 8.) The swabbing of the interior of the duct shall be repeated five times from the inside of the building.
- 9.) The same steps will then be repeated from the exterior of the building with the interior opening sealed.
- 10.) Smear surveys will then be performed to ascertain the effectiveness of the procedure. If values greater than 50 dpm's are observed the procedure will be repeated as necessary.
- 11.) All results (smears and air samplings) will be recorded.
- 12.) Contaminated materials will be placed in a waste drum designated as LSA DSM.

BJT/lmm

8506180320 850436  
FDR FOIA  
TERPILAB4-763 PDR