



April 30, 1984

Procedure #36Prefilter Change Out for Vent Systems

As necessary the Prefilter assemblies on both the Old Cell System & Building System will be removed & replaced with new prefilters.

The criteria for change out shall be an increase of 1.0" static pressure or an on contact area reading of radiation of 3 mr/hr, which ever occurs first. As recommended by the manufacturer these filters are designed to operate with a maximum efficiency up to 1.0" static pressure increase.

Pre-Filters to be used with one of the following:

AAF-AMAir-300 prefilter 2"X24"X24"

Cambridge-Aeropleat prefilter 2"X24"X24"

When the above criteria have been reached the procedure for change out shall be as follows:

- I. Personnel shall be equipped as in Procedure #23 with the exception of: the Wm.B.Johnson GSM-5 meter instead of the Eberline 130A, ample 2'9"X3'8" plastic bags, prefilters, & duct tape.
 - A. The individual performing the change out shall take a final static pressure reading & area reading near the prefilter.
 - B. Prior to beginning change out both Vent Systems shall be turned off & a 20 minute period shall be observed to minimize air turbulence in the general plant area.
 - C. The door latches for the prefilter will be removed by unscrewing the door latch thumb screws. The door system may be removed & placed on top of the duct system.
 - D. The plastic bag will then be taped over the prefilter orifice & attached by duct tape to provide a seal at the side of the housing.
 - E. Grasping the prefilter through the bag the individual will draw the prefilter cartridge into the bag until it is entirely inside.
 - F. The duct tape seal will then be removed from the housing & overlapped to seal the bag.
 - G. The new prefilter may then be installed in the housing & the door replaced & sealed.
- II. After completion of Prefilter installation the individual will proceed to the Enclosure with the spent filter.
 - A. Once inside the Enclosure the filter (bagged) will be placed in a waste drum.
 - B. Area readings & magnehelic pressure gauge readings will be performed after restarting the Vent Systems.

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- C. Smears will be done on the outside of prefilter housing to ascertain any smearable contamination above 750 dpm, counted as an aggregate. If above 750 dpm the housing will be cleaned & resmeared.
- D. All information regarding area readings & static pressure drop will be recorded on the Daily Log sheets for Vent Systems. Performance of procedure will also be noted in the Operations Log Book.
- E. A copy of this procedure will be posted on each Astro Seal housing for reference.

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