



STANDARD OPERATING PROCEDURE

Department: Quality Assurance

SOP No.:

Title: Procedure for Decontamination of DM Water

Effective Date:

Supersedes: Nil

Review Date:

Issue Date:

Page No.:

1.0 OBJECTIVE:

To lay down a standard operating procedure for Decontamination of DM Water plant.

2.0 SCOPE:

Maintenance Department

3.0 AREA OF OPERATION:

Service floor.

4.0 RESPONSIBILITY:

Operator/Maintenance Supervisor concerned.

5.0 ACCOUNTABILITY:

Maintenance Incharge.

6.0 PROCEDURE:

NOTE: Decontamination of D.M. Water plant is done as per recommendation of QC department or once in a month; after regeneration of DM Water Plant.

6.1 Decontamination of Mixed Bed Unit

- a) Mix 40 ml of formaldehyde solution with 200 ltr of DM Water.
- b) Inject this solution into mixed bed unit (MBU) by dipping tube attached to ejector E-2 into the formaldehyde solution and by opening valve 18, 20 & 22.
- c) After completion of formalin injection close the valve 18, 20 & 22.

6.2 Decontamination of anionic exchanger

- a) Mix 40 ml of formaldehyde solution with 200 ltr. D. M. Water.
- b) Deep the tube attached to ejector into formaldehyde solution.
- c) Open valve 4, 5, 6, 7 and adjust valve 4 to maintain the flow.
- d) After completion of injection close the valve 4, 5, 6 & 7



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6.3 Decontamination of Cationic exchanger

- a) Mix 40 ml of formaldehyde solution with 200 ltr. DM Water.
- b) Deep the tube attached to ejector into formaldehyde solution.
- c) Open valve 1, 2 & 3 and adjust the valve 2 to maintain the flow.
- d) After completion of injection close the valve 1, 2, & 3.

6.4 Rinsing of columns

- a) Next day start the DM Water plant (Ref. SOP.....) and drain the water.
- b) Give the sample of DM Water to Q.C.
- c) After getting OK from QC collect the DM Water into DM Water collection tank.

7.0 REVIEW DATE:

After 2 years or when procedure is changed.

The following people have read this SOP and are currently following these procedures in the laboratory.



PHARMA DEVILS

QUALITY ASSURANCE DEPARTMENT

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