 Discovery Labs	STANDARD OPERATING PROCEDURE			
	SOP No.:	SOP-EHS-014-02	Effective Date:	
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TITLE: EFFLUENT TREATMENT AND METHOD FOR DISPOSAL WASTE				

1.0 PURPOSE:

To describe the procedure for Effluent Treatment and Method for disposal waste

2.0 SCOPE:

This Standard Operating Procedure is applicable to all departments at Discovery Laboratories pvt.ltd.

3.0 RESPONSIBILITY:


3.1 It is the responsibility of EHS Department to monitor effluent treatment and disposal of waste generated.

4.0 DEFINITIONS: NIL

5.0 PROCEDURE :

- 5.1 Effluent generated from the production block is collected into the HTDS storage tank.
- 5.2 Then the effluent from the HTDS storage to the collection tank of Effluent treatment plant.
- 5.3 Check the PH of the effluent present in the collection tank. If the PH is not neutral, then adjust the PH by adding the neutralizing agents like NaOH flakes or HCL.
- 5.4 After Neutralization the effluent is transferred to the MEE feed tank.
- 5.5 From MEE feed tank it was sent to the MEE column and apply the steam to MEE column.
- 5.6 The Sludge was sent to the ATFD section to get the MEE salt and the Condensate Water was collected into the Condensate tank.
- 5.7 The Condensate water and the effluent from LTDS tank is sent for Biological ETP for treatment and then the biologically treated water is sent as feed to RO Plant.

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5.8 The RO plant filters the water and sends the permit water for boiler feeding and makeup of cooling towers and the rejected water is again sent to the MEE feed tank.

5.9 The MEE salt collected from ATFD is sent to Ramky for disposal.

5.10 Right form collection of effluent until the salt disposal were monitored and recorded in record books.

6.0 FORMATS / ANNEXURE(S): NIL

7.0 CHANGE HISTORY:

Revision No.	Effective Date	Details of Revision	Ref. CCF No.
00	01-02-2013	New SOP	---
01		1. SOP format changed in line with QA-SOP-001-04	---
02		1. SOP format changed in line with QA-SOP-001-05	CCF/GEN/17017

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