

L6/3, MIDC Waluj

OCP FOR OPERATION AND MAINTENANCE OF TRADE EFFLUENT TREATMENT PLANT

Doc. No. EOHS/OCP/EHS/01

Rev. Date. 01

Date: 31.07.2020

1. Purpose: The procedure is provide the guideline to operation and maintenance of Trade Effluent Treatment Plant.

2. Scope: This procedure is applicable for all areas of Trade Effluent Treatment Plant.

3. Description:

SR.			
NO.	ACTIVITY	RESPONSIBILITY	
А	TREATMENT OF TRADE EFFLUENT		
1	The effluent from the production shop should be transferred by gravity to effluent collection tank at ETP.	Operator	
2	The effluent should be pumped from collection tank to the neutralization tank.	Operator	
3	Neutralize effluent by adding acid and caustic soda partially and further add flocculants (alum) and coagulant (poly)	Operator / Supervisor	
4	After neutralization effluent passes through the tube settler for separation of sludge and water.	Operator	
5	The overflow of tube settler should be transfer by gravity in filter feed tank for further treatment	Operator / Supervisor	
6	The sludge is drained to sludge bed for drying purpose	Operator / Supervisor	
7	Transfer the water from filter feed tank to tertiary treatment after addition of hypo dosing to sand filter followed by activated carbon filter.	Operator / Supervisor	
8	Back Wash to be done after each batch & record to be maintained in Log Sheet	Operator / Supervisor	
9	Water sample collected for the analysis purpose as per guideline of consent to operate.	Supervisor/Chemist	
10	The filtered water is collected in to final treated water for disposal to CETP.	Operator / Supervisor	
В	FILTRATION OF DOMESTIC SLUDGE FROM SLUDGE DRYING BED		
1	Ensure the sludge Drying Bed (SDB) level before draining sludge in to SDB.	Operator / Supervisor	
2	Ensure the bottom drain valve shall be opened.	Operator / Supervisor	
3	After drying the dried sludge should be filled in plastic bags and transfer to waste storage yard for further disposal.	Operator / Supervisor	
4	The leachate water should be collected in domestic collection tank for retreatment.	Operator / Supervisor	



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- 4. Monitoring: Overall monitoring will be done by Plant EHS/ ETP Supervisor.
- 5. Records: Log book shall be maintained at Operator's Cabin.
- 6. Safety Precaution: The operator must be used Personal Protective Equipment (PPE) as per PPE matrix displayed in plant.
- 7. Legal And Statutory Requirements: MPCB Guideline and Consent to Operate

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OCP FOR OPERATION AND MAINTENANCE OF SEWAGE TREATMENT PLANT

Doc. No. EOHS/OCP/EHS/03

Rev. Date. 01

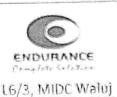
Date: 31.07.2020

1. Purpose: The procedure is provide the guideline to operation and maintenance of Sewage Treatment Plant

2. Scope: This procedure is applicable for all areas of Sewage Treatment Plant.

3. Description:

SR. NO.	ACTIVITY	RESPONSIBILITY	
Д	TREATMENT OF DOMESTIC EFFLUENT		
1	The domestic effluent from the production shop should be transferred by gravity (L6) and by Pump (LPDC) to domestic effluent collection tank at ETP.	Operator	
2	The effluent should be pumped from collection tank to the Sequence Batch Reactor (SBR) as per batch process.	Operator	
3	Aeration shall be given for 3-5 Hours to SBR and shall be allowed for settling for 1 Hour.	Operator / Supervisor	
4	After proper settling of the supernatant water shall be drained in filter feed tank by operating the decanting valve.	Operator	
5	After analysing MLSS from the SBR extra/ unwanted sludge is drained to sludge bed for drying purpose	Operator / Supervisor	
6	Transfer the water from filter feed tank to tertiary treatment after addition of hypo dosing to sand filter followed by activated carbon filter.	Operator / Supervisor	
7	Back Wash to be done after each batch & record to be maintained in Log Sheet	Operator / Supervisor	
8	Water sample collected for the analysis purpose as per guideline of consent to operate.	Supervisor/Chemist	
9	The filtered water is collected in to final treated water for disposal to CETP.	Operator / Supervisor	
В	FILTRATION OF DOMESTIC SLUDGE FROM SLUDGE DRYING BED		
1	Ensure the sludge Drying Bed (SDB) level before draining sludge in to SDB.	Operator / Supervisor	
2	Ensure the bottom drain valve shall be opened.	Operator / Supervisor	
3	After drying the dried sludge should be filled in plastic bags and transfer to waste storage yard for further disposal.	Operator / Supervisor	
4	The leachate water should be collected in domestic collection tank for retreatment.	Operator / Supervisor	



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- 4. Monitoring: Overall monitoring will be done by Plant EHS/ ETP Supervisor
- 5. Records: Log book shall be maintained at Operator's Cabin.
- 6. Safety Precaution: The operator must be used Personal Protective Equipment (PPE) as per PPE matrix displayed in plant.
- 7. Legal And Statutory Requirements: MPCB Guideline and Consent to Operate

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