
 ENDURANCE <i>Complete Solution</i> 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

- Purpose:** The procedure is provide the guideline to operation and maintenance of Trade Effluent Treatment Plant.
- Scope:** This procedure is applicable for all areas of Trade Effluent Treatment Plant.
- Description:**

SR. NO.	ACTIVITY	RESPONSIBILITY
A	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
B	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

 ENDURANCE <i>Complete Solution</i> 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

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

Prepared By		Approved By
Team member		Dept. Head



L6/3, MIDC Waluj

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
A	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
B	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

 ENDURANCE <i>Complete Solutions</i> L6/3, MIDC Waluj	OCP FOR OPERATION AND MAINTENANCE OF SEWAGE TREATMENT PLANT	Doc. No. EOHS/OCP/EHS/03
		Rev. Date. 01
		Date: 31.07.2020

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

Prepared By		Approved By
Team member		Dept. Head