

**Table 14.3.: Fire and Life Safety Requirements for Wastewater treatment facilities**

HAZARD/ LOCATION	REQUIREMENTS
17. AMMONIA STRIPPING TOWERS	<p><b><u>1. RISK</u></b></p> <p>i. Possible ignition of flammable gases and floating flammable liquids.</p>
18. GRAVITY AND PRESSURE FILTERS	<p><b><u>2. VENTILATION FOR PROCESS AREAS, IF ENCLOSED</u></b></p> <p>i. Continuously ventilated, providing 12 Air Changes per Hour, in compliance with <b>Chapter 10</b>.</p>
19. CARBON COLUMN OR TANKS	<p><b><u>3. FIRE DETECTION, IF ENCLOSED</u></b></p> <p>i. Combustible Gas Detection shall be provided and Fire Detection and Alarm System shall be provided for ancillary buildings, as per <b>Chapter 8</b>.</p>
20. BACK WASH WATER AND WASTE BACKWASH WATER HOLDING TANKS	<p><b><u>4. FIRE PROTECTION</u></b></p> <p>i. Yard Fire Hydrant shall be provided as per <b>Chapter 9</b>. ii. Fire extinguisher shall be provided as per <b>Chapter 4</b>.</p>
21. ULTRAVIOLET DISINFECTION UNIT	
22. EFFLUENT STRUCTURES	
23. SCUM AND GRIT HANDLING BUILDINGS	
24. SCUM PUMPING AREAS	
25. SLUDGE PUMPING AND STORAGE AREAS	
26. DEWATERING BUILDINGS WITH CENTRIFUGES, GRAVITY BELT, VACUUM FILTERS AND FILTER PRESSES	