

Figure No. 3.1-1
Preliminary Treatment Facilities

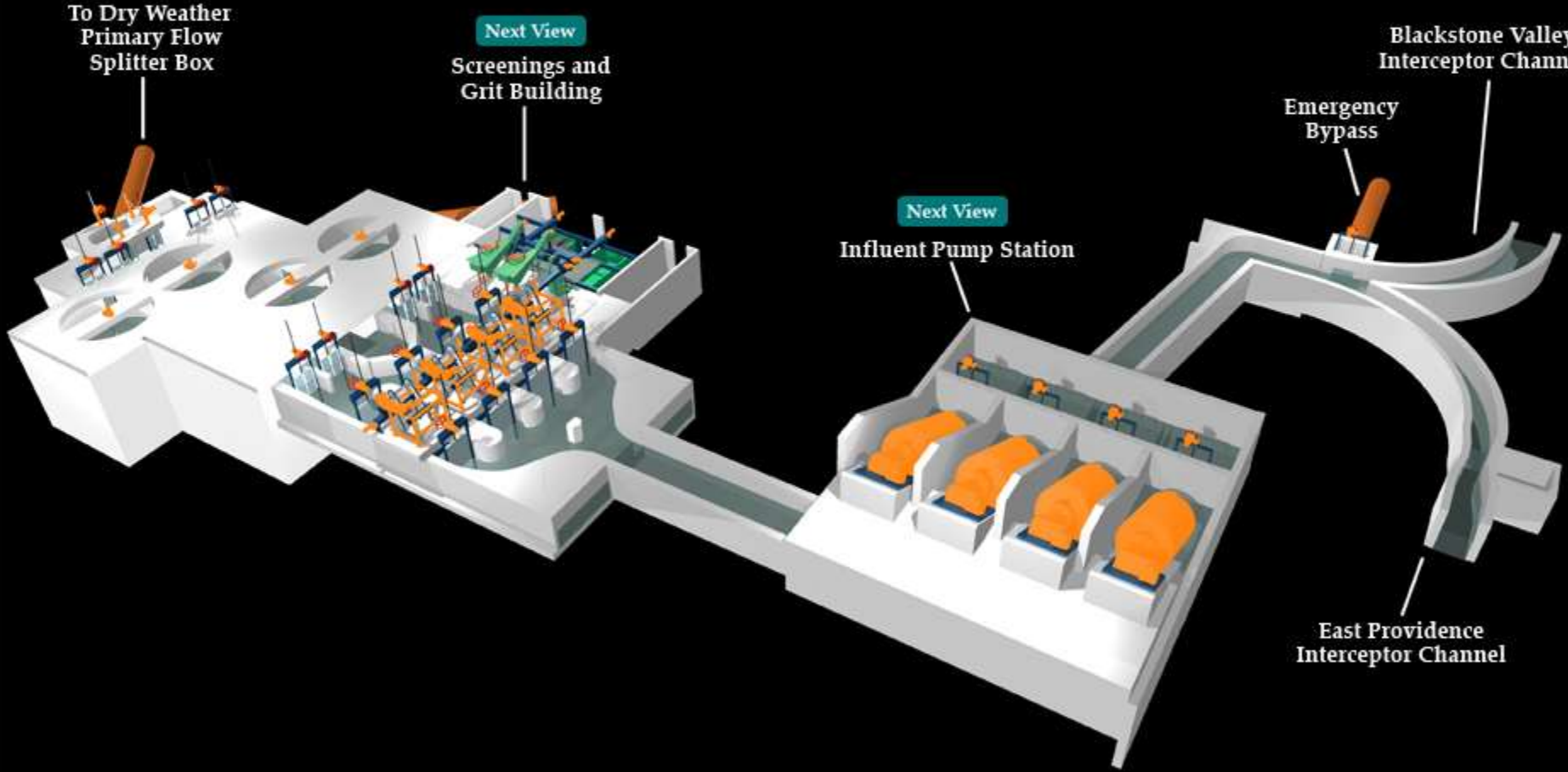


Figure No. 3.1-3
Influent Pump Station

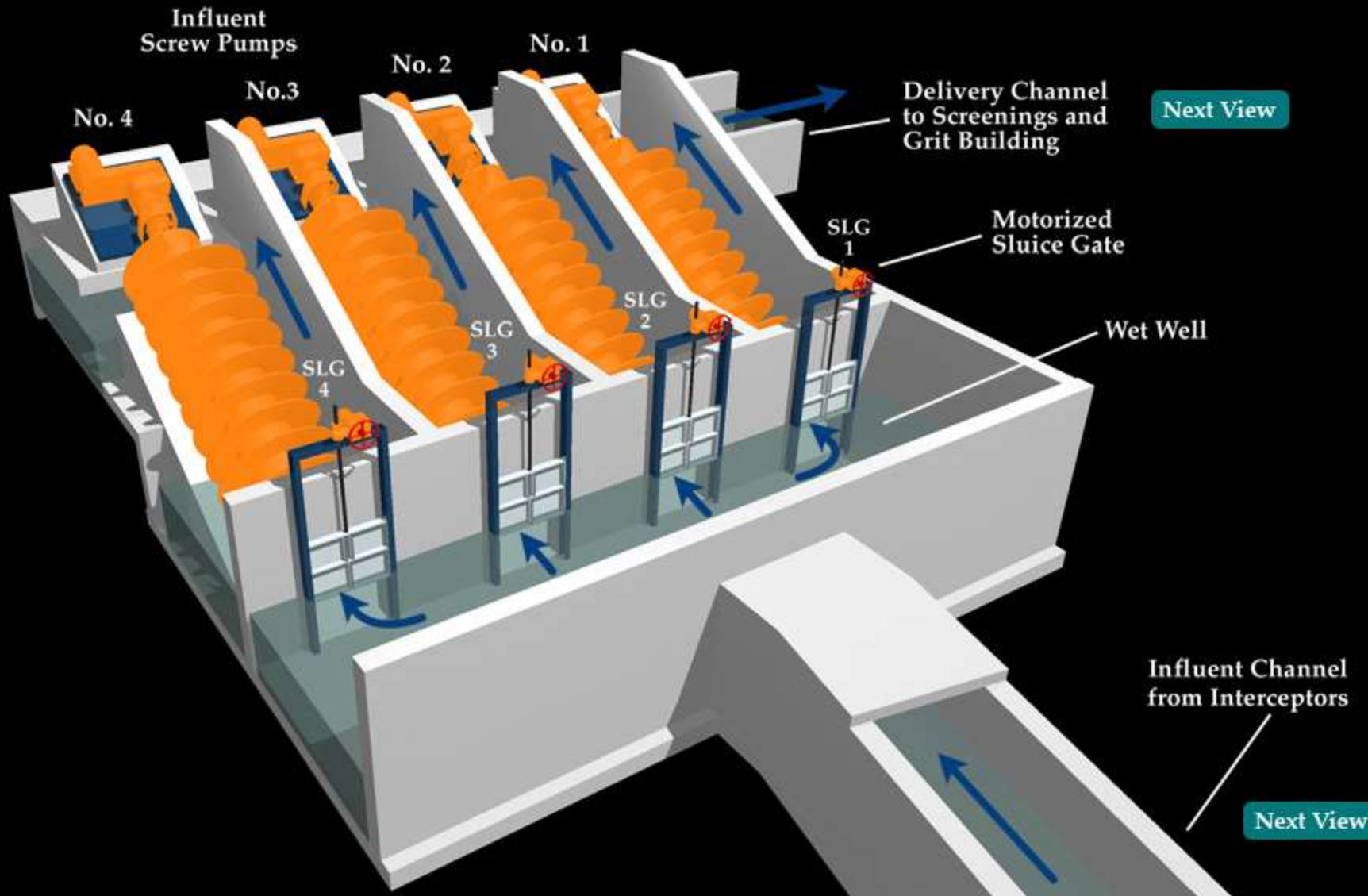


Figure 5.1-1
Mechanical Bar Screens

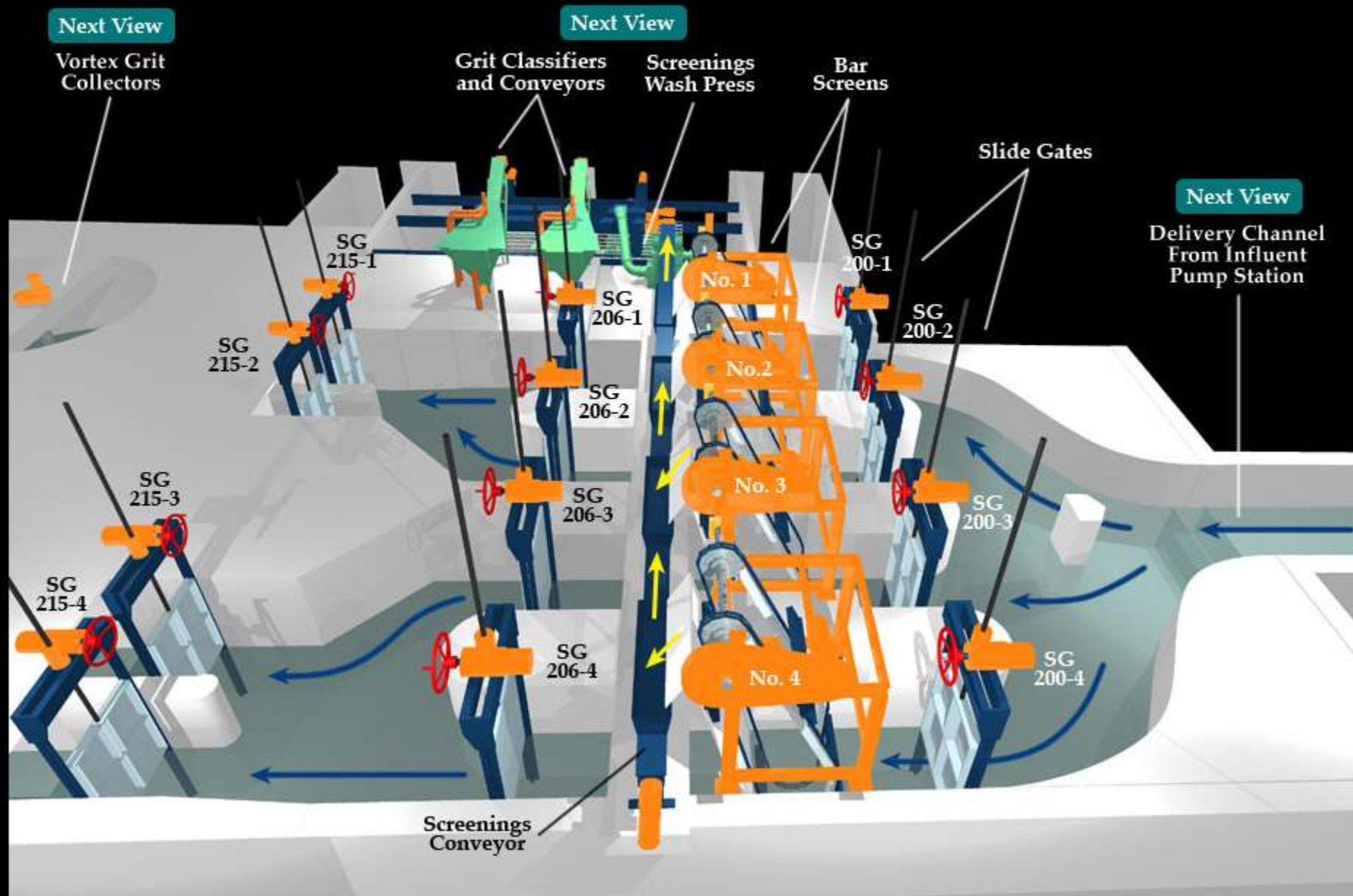


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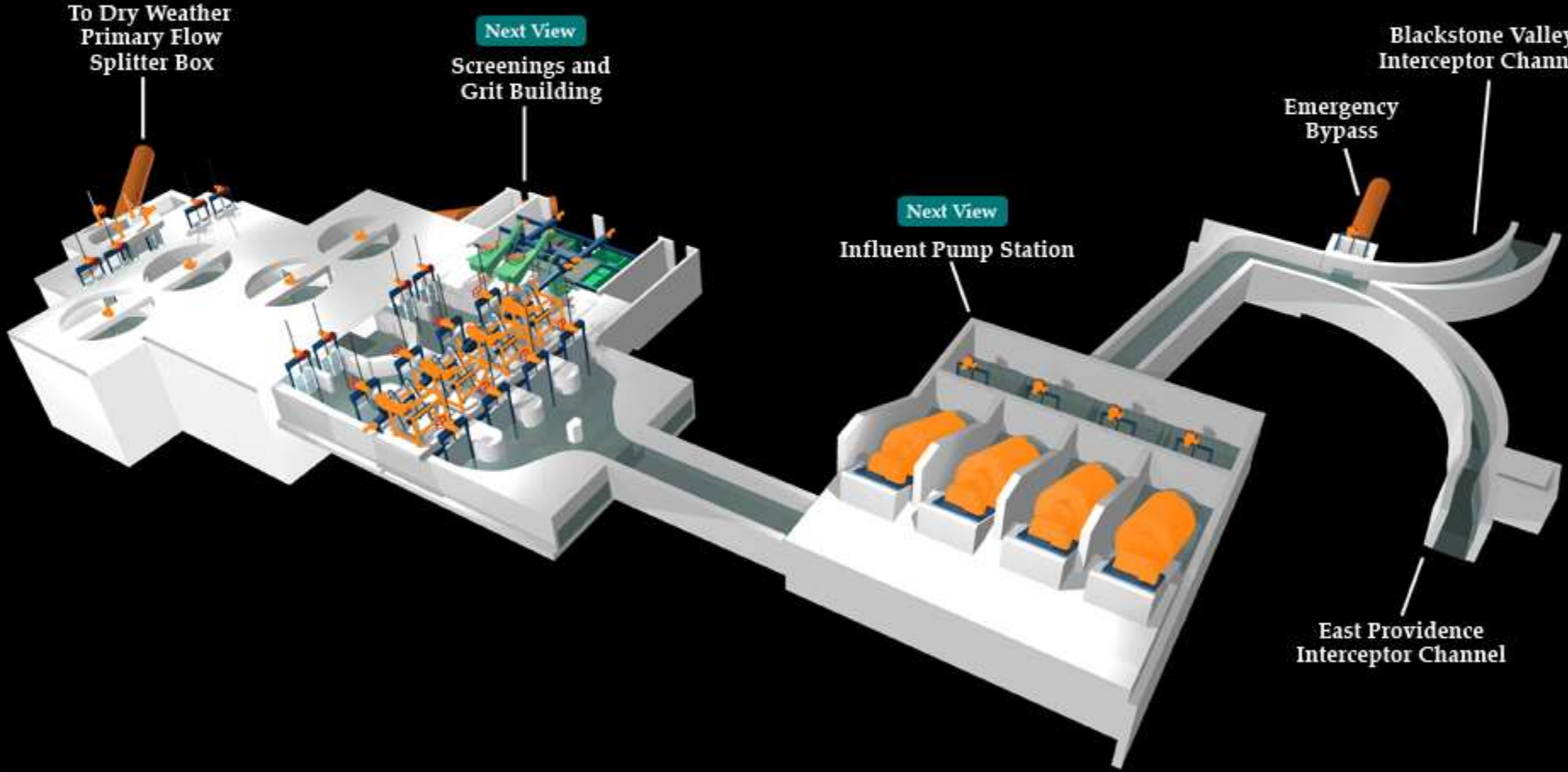


Figure No. 3.1-5
Vortex Grit Collector

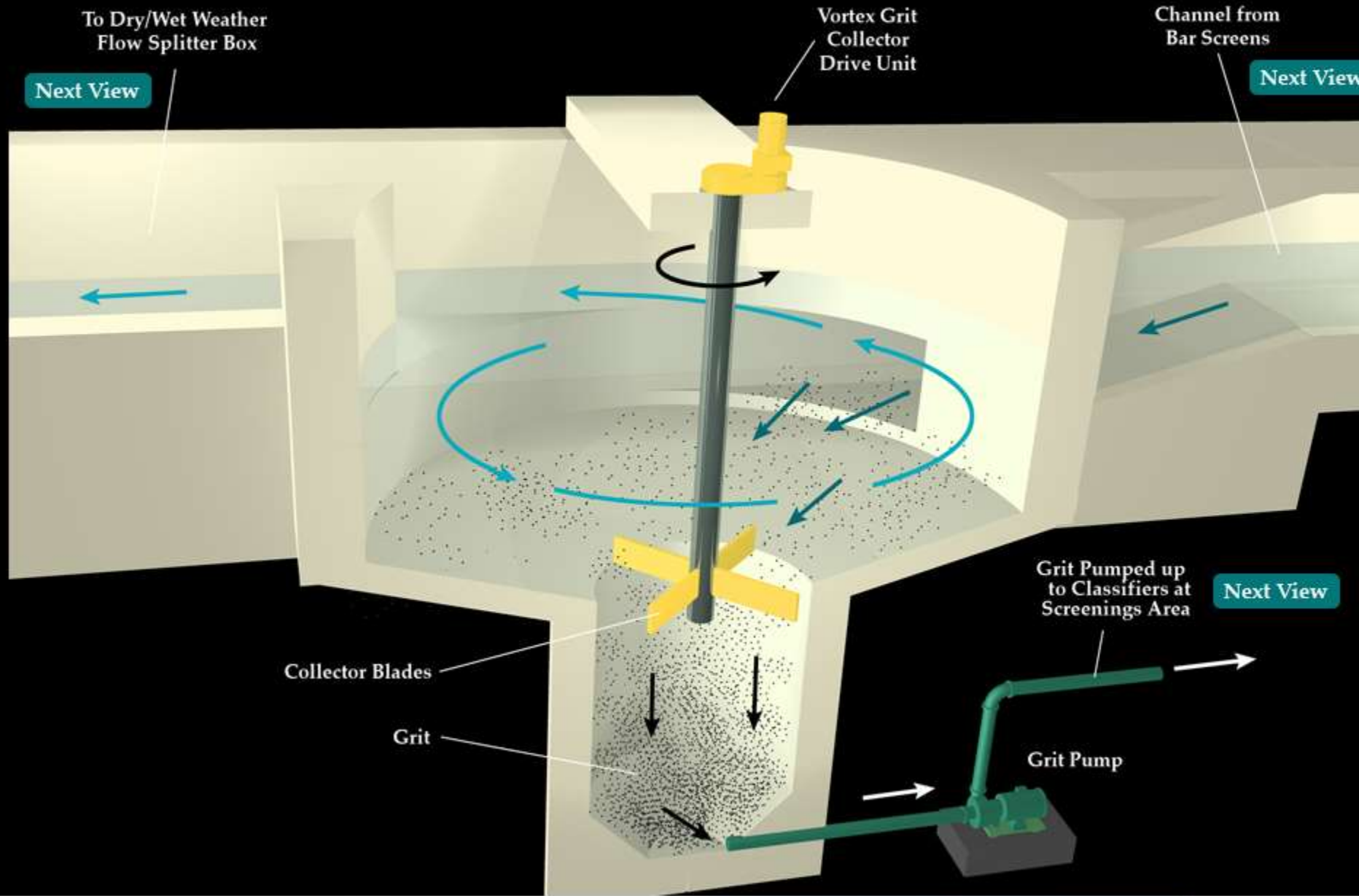


Figure 3.2-3
Dry Weather Primary Clarifiers and Primary Sludge Pumping Station

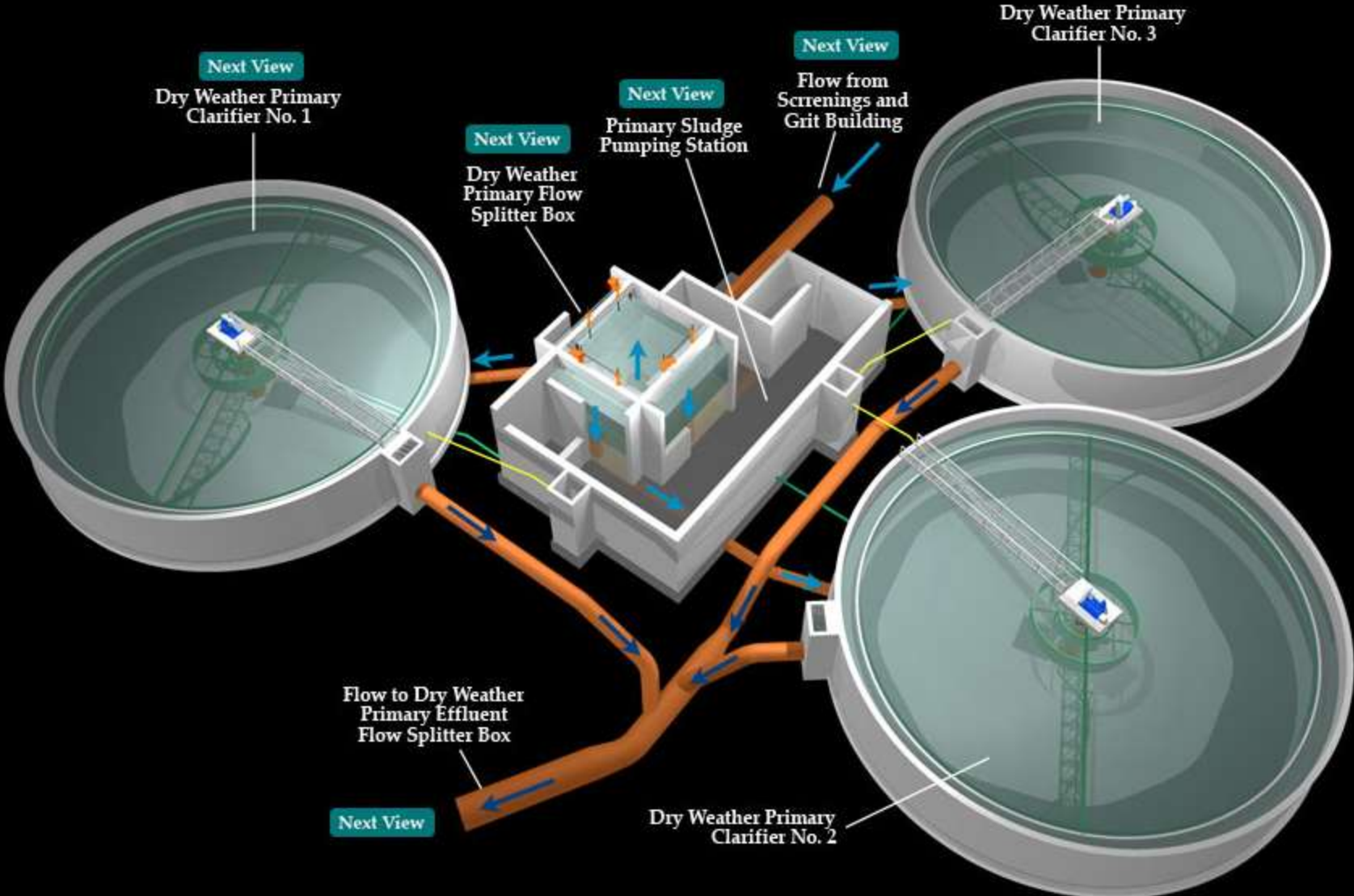


Figure 3.2-2
Dry Weather Primary Clarifier

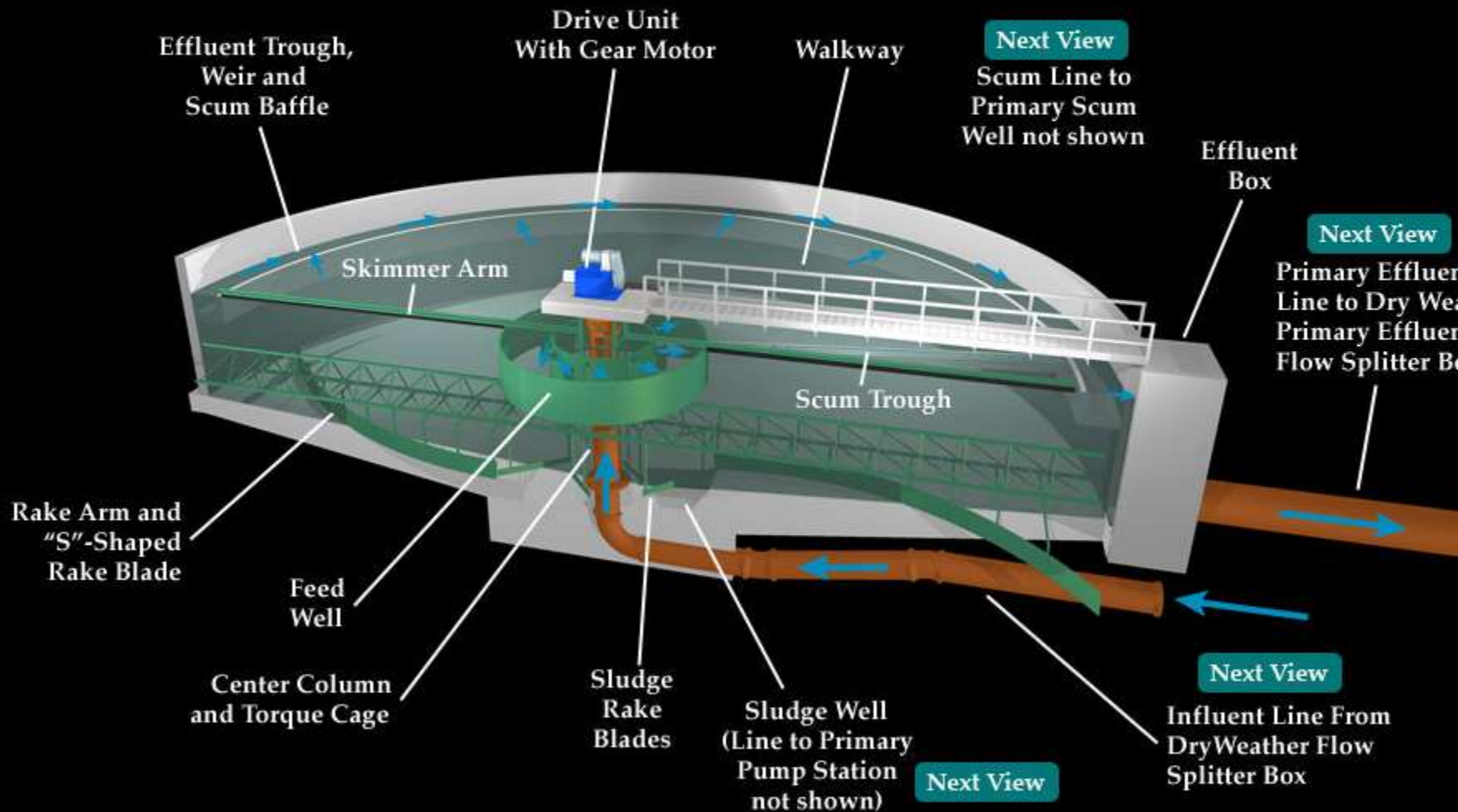


Figure 3.4-1
Dry Weather Primary Effluent Pumping Station

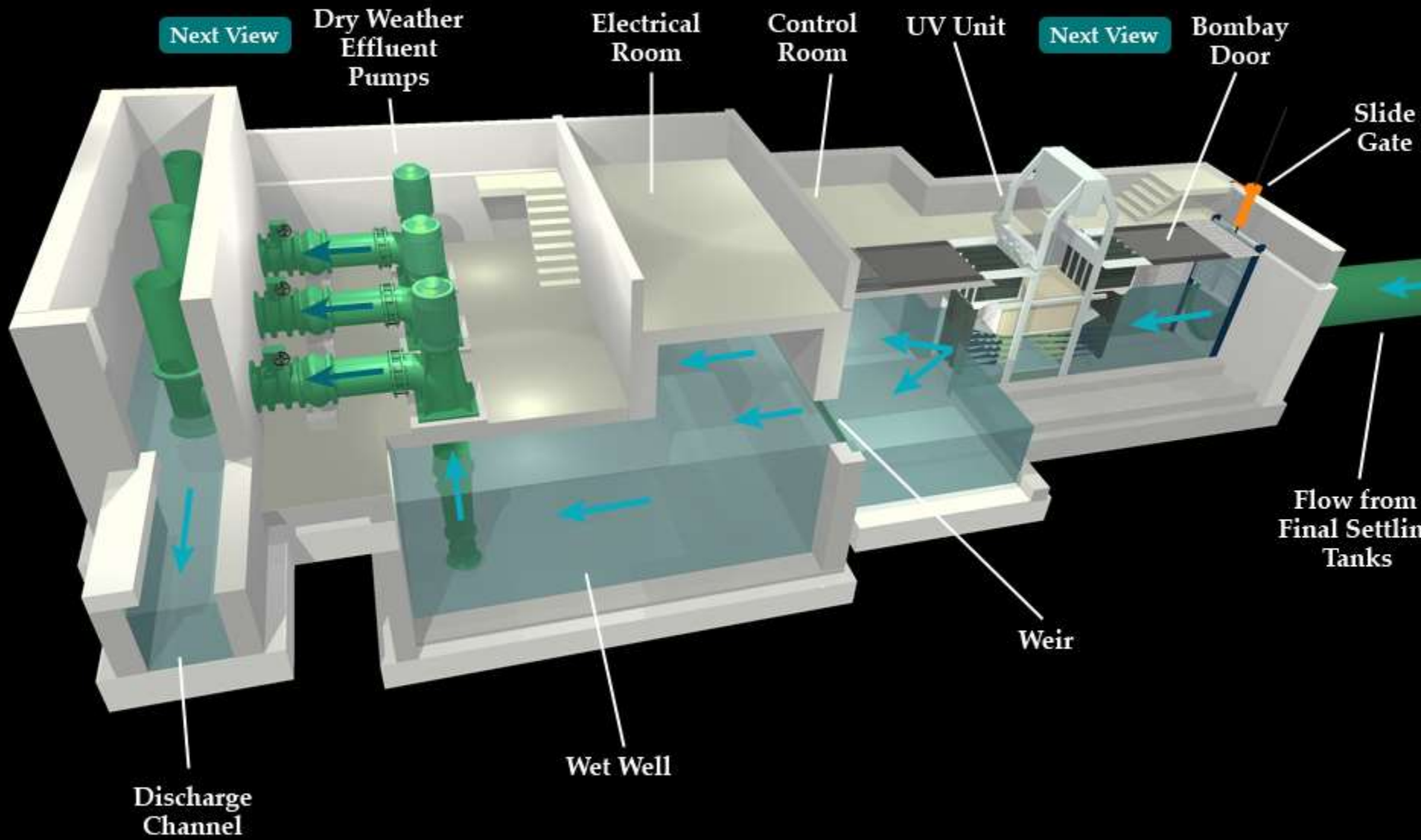
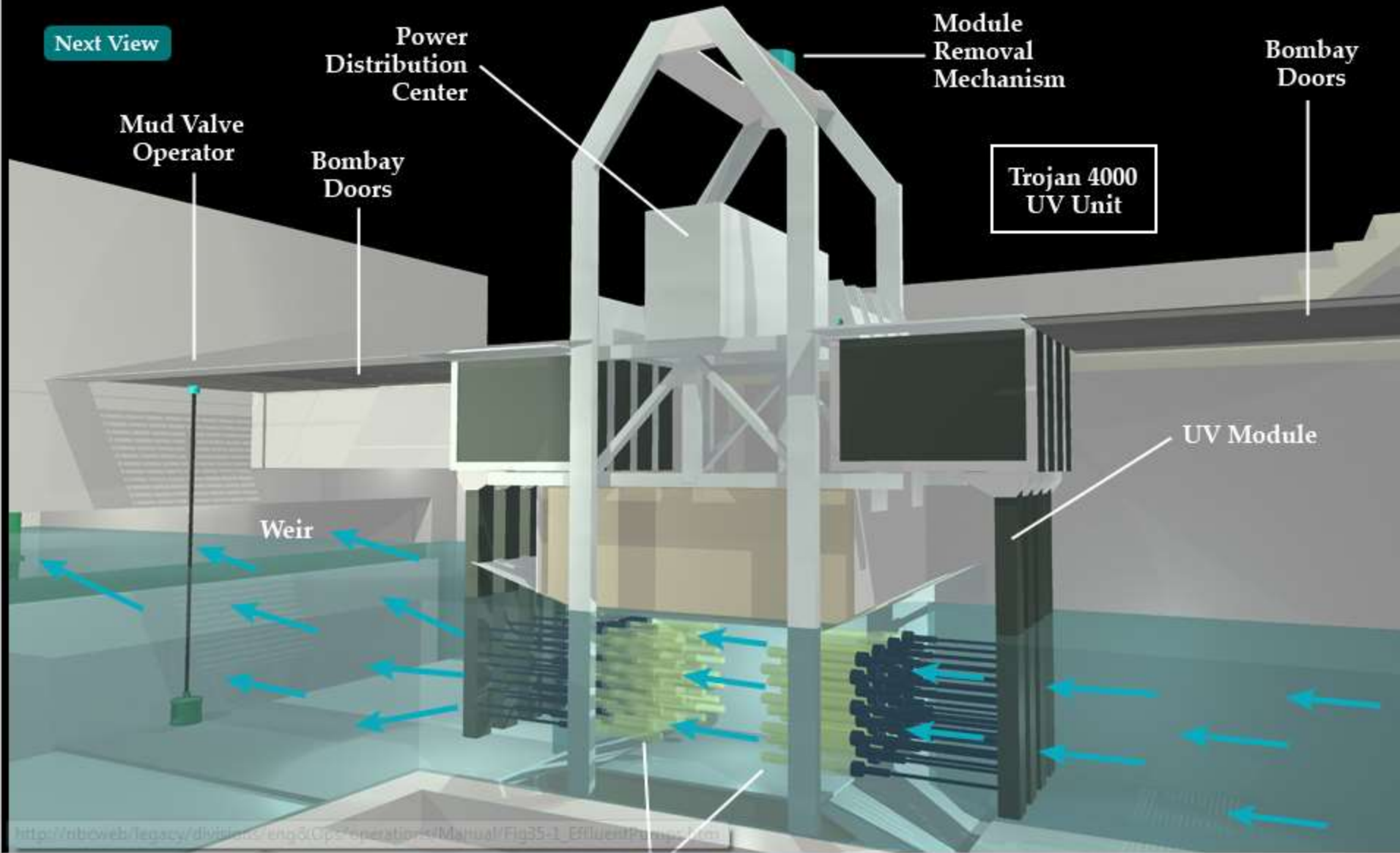


Figure 3.4-2
UV Disinfection System



Disinfection Process

- Bucklin Point
 - Ultraviolet light (no chemicals)
- Field's Point
 - Hypochlorite Disinfection
 - Add sufficient bleach to create a chlorine residual of 2.4 parts per million.
 - Allow adequate detention time
 - Remove excess residual with sodium bisulfite (.009 ppm) highest measured concentration in October

Disinfection Process

– Hypochlorite Disinfection

- At Field's Point we add sufficient bleach to create a chlorine residual of 2.4 parts per million in order to kill most of the bacteria/microorganisms that broke down the waste
- For comparison
 - Household bleach ~50,000 ppm
 - Restaurants wash tables with 200 ppm