

#### Appendix 4.5 Proposed Operational Fixed Plant Inventory without Mitigation Measures

##### Proposed SPS Building

Fixed Plant	SWL per Item, dB(A) <sup>[1]</sup>	Reference <sup>[1]</sup>	No. of Items <sup>[2]</sup>	Sub-total SWL, dB(A)
Submersible pump	88	Ref 1	2	91
Mechanically raked screen	89	Ref 2	1	89
Exhaust fan of deodorising unit (8,600 m <sup>3</sup> /hr)	83	Ref 3	1	83
Ventilation fan (34000 m <sup>3</sup> /hr)	89	Ref 4	1	89

##### Proposed Transformer Room and Switch Room

Fixed Plant	SWL per Item, dB(A) <sup>[1]</sup>	Reference <sup>[1]</sup>	No. of Items	Sub-total SWL, dB(A)
Transformer	85	Ref 1	1	85
Ventilation fan (1700 m <sup>3</sup> /hr)	79	Ref 5	2	82

Notes:

- [1] Ref 1 - The SWL was made reference to the approved EIA Report of Tuen Mun Area 54 Sewage Pumping Station (register no. AEIAR-122/2008).
- Ref 2 - The SWL was made reference to the approved EIA Report for Port Shelter Sewerage, Stage 3 - Sewerage Works at Po Toi O (register no. AEIAR-206/2017).
- Ref 3 - The SWL was made reference to the EPD's Good Practices on Ventilation System Noise Control based on the flow rate of 8600m<sup>3</sup>/hr and 125 Pa.
- Ref 4 - The SWL was made reference to the EPD's Good Practices on Ventilation System Noise Control based on the flow rate of 34000m<sup>3</sup>/hr and 125 Pa.
- Ref 5 - The SWL was made reference to the EPD's Good Practices on Ventilation System Noise Control based on the flow rate of 1700m<sup>3</sup>/hr and 125 Pa.
- [2] Standby items are not included in noise assessment.

