

6	IEQ	6.2 HYGIENE
		IEQ 4 WASTE DISPOSAL FACILITIES
	EXCLUSIONS	None.
	OBJECTIVE	Ensure that the design, installation and facilities waste disposal and recycling are such as to reduce the risk of odours entering occupied areas or public areas.
	CREDITS ATTAINABLE	1
	PREREQUISITES	Compliance with the Building (Refuse Storage Chambers and Material Recovery Chambers and Refuse Chutes) Regulations.
	CREDIT REQUIREMENT	1 credit for the provision of a de-odourising system in all refuse collection rooms and chambers.
	ASSESSMENT	<p>The Client shall submit details of the de-odourising systems, noise control abatement system and fire protection provisions. The system shall comply with those recommendations contained in PNAP No. APP-35 [1] in respect of refuse storage and recovery chambers appropriate to the given circumstances.</p> <p>The provision of a purpose-designed automated/mechanical system for waste disposal is deemed to meet the requirements.</p>
	BACKGROUND	Where refuse contains large amounts of food and other organic waste there are potential odours and health problems if refuse is not well contained from the points of disposal by users to the place of final collection. Automatic systems are available to isolate refuse from users.
	REFUSE CHAMBERS	<p>Where a centralised ventilation system is adopted, a single air purifier may be installed before final discharge into the atmosphere. Alternatively where there is no particular odour problem a mechanical fan coupled with a particulate filter at each RS&MRR/MRC may be considered. The main exhaust outlet for a centralised ventilation system should be located at upper roof level away from other buildings; however in the case where the building is surrounded by taller buildings the discharge may be located at the main RS&MRC.</p> <p>The noise level of the system should conform with the Technical Memorandum [2] published under the Noise Control Ordinance (Cap 400). Fire dampers should be provided if the system has exhaust grilles and ducting at each floor.</p> <p>Air purifying devices such as 'Chemical Air Scrubber', 'Bio-oxygen Generator', 'Photo-oxidation Generator' or other appropriate devices should be provided within a RS&MRC.</p>

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1 Buildings Department. Practice Note for Authorized Persons, Registered Structural Engineers and Registered Geotechnical Engineers, PNAP No. APP-35 Refuse Storage and Collection Building (Refuse Storage and Material Recovery Chambers and Refuse Chutes) Regulations. <http://www.bd.gov.hk/english/documents/pnap/APP/APP035.pdf>

2 Environmental Protection Department. Technical Memorandum for the Assessment of Noise from Places other than Domestic Premises, Public Places or Construction Sites. http://www.epd.gov.hk/epd/english/environmentinhk/noise/guide_ref/tm_nonpp.html

EU 9 Energy Efficient Appliances

EU 10 Testing and Commissioning

EU 12 Metering and Monitoring

Water Use

WU P1 Water Quality Survey

WU P2 Minimum Water Saving Performance

WU 1 Annual Water Use

WU 5 Water Efficient Appliances

Indoor Environmental Quality

IEQ P1 Minimum Ventilation Performance

IEQ 1 Security

IEQ 2 Plumbing and Drainage

IEQ 4 Waste Disposal Facilities

#86. Should the noise level of the ventilation system or de-odourising system be considered under IEQ 4 (NB and EB)?

The main objective of IEQ 4 is to reduce the risk of odours from the refuse rooms and chambers entering the occupied or public areas. Therefore, the noise level from the ventilation system or de-odourising system shall be assessed under SA 14 (NB) / SA 2 (EB) and is not required under IEQ 4.

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IEQ 5 Construction IAQ Management

IEQ 6 Outdoor Sources of Air Pollution

IEQ 7 Indoor Sources of Air Pollution

IEQ 9 Increased Ventilation

IEQ 10 Background Ventilation

IEQ 11 Localised Ventilation

IEQ 12 Ventilation in Common Areas

IEQ 14 Thermal Comfort in Naturally Ventilated Premises

IEQ 15 Natural Lighting

IEQ 16 Interior Lighting in Normally Occupied Areas

IEQ 17 Interior Lighting in Areas Not Normally Occupied

IEQ 18 Room Acoustics

IEQ 19 Noise Isolation

IEQ 20 Background Noise

IEQ 21 Indoor Vibration

IEQ 22 Access for Persons with Disability

IEQ 23 Amenity Features