

6	<b>IEQ</b>	<b>6.2 HYGIENE</b>
		<b>IEQ 4 WASTE DISPOSAL FACILITIES</b>
	<b>EXCLUSIONS</b>	None.
	<b>OBJECTIVE</b>	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.
	<b>CREDITS ATTAINABLE</b>	1
	<b>PREREQUISITES</b>	Compliance with the Building (Refuse Storage Chambers and Material Recovery Chambers and Refuse Chutes) Regulations.
	<b>CREDIT REQUIREMENT</b>	1 credit for the provision of a de-odourising system in all refuse collection rooms and chambers.
	<b>ASSESSMENT</b>	<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>
	<b>BACKGROUND</b>	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.
	<b>REFUSE CHAMBERS</b>	<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&amp;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&amp;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&amp;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](http://www.epd.gov.hk/epd/english/environmentinhk/noise/guide_ref/tm_nonpp.html)

### Water Use

- Q1. WU P1 & WU 1, Do I need to consider the water pressure indicated in the baseline figures for different water appliances when predicting the water consumption?
- Q2. WU P1, Is water sample necessary to be taken from the supply point of WSD for water quality analysis under WU P1?
- Q3. WU P1, WU P2/WU 1, For BEAM Plus New Buildings / Existing Buildings Version 1.1 and 1.2, is a conceptual plumbing sketch satisfactory for PA stage?
- Q4. WU 5, For BEAM Plus New Buildings Version 1.2, how is WU 5 applied to different building types?
- Q5. WU 5, For BEAM Plus New Buildings Version 1.1, how is WU 5 applied to different building types?

### Indoor Environmental Quality

- Q1. IEQ P1, How to achieve the outdoor air quality standard in local context of Hong Kong?
- Q2. If a clubhouse is provided with VRV or split type units but with fresh air provided by PAU or fresh air fans, are IEQ P1 and IEQ 9 (NB) / IEQ 10 (EB) applicable?
- Q3. IEQ 2, For BEAM Plus New Buildings Version 1.1 and 1.2, sub-item 7 “maintenance of water seals”, are water seal traps required for all floor drains?
- Q4. 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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- Q5. IEQ 8 (second Bonus credit), for BEAM Plus Existing Building Version 2.0 Comprehensive Scheme, whether the “Indoor Air Quality Certification Scheme for Office and Public Place” certificate should cover the whole development or part of the development:
- Q6. IEQ 11a, for BEAM Plus New Buildings Version 1.1 & 1.2, if the Applicant does not provide any ventilation equipment for kitchen and toilet areas, should these areas be included in the assessment?
- Q7. IEQ 11b, For BEAM Plus New Buildings Version 1.1 & 1.2, is clubhouse applicable to this credit?
- Q8. IEQ 12, For BEAM Plus New Buildings Version 1.1 and 1.2, can lift lobby served by firemen’s lift be exempted from the assessment?
- Q9. What features can be considered as glare control under IEQ 15 in BEAM Plus Version 1.1?
- Q10. IEQ 15, For BEAM Plus NB V1.1 and 1.2, there are a number of methodologies in the computation of the average daylight factor from various software. Will it be acceptable if the output provides the average daylight factor for the entire area of a room?
- Q11. IEQ 22, For BEAM Plus New Buildings Version 1.1, please elaborate on the requirement of enhanced provisions under this credit.
- Q12. Under BEAM Plus NB IEQ 23, how many times can the same amenity type be counted within the same development?
- Q13. IEQ 23, For BEAM Plus New Buildings Version 1.1 and 1.2, is there a list of amenity features which comply with the requirements of IEQ 23?

### Management

- Q1. MAN 1, For BEAM Plus Existing Buildings Version 2.0 Comprehensive Scheme & MAN 2, For BEAM Plus Existing Buildings Version 2.0 Selective Scheme, please elaborate on the documentations required to fulfill the internal audit criteria under this credit.
- Q2. MAN 3, For BEAM Plus Existing Buildings Version 2.0 Comprehensive Scheme & MAN 4, For BEAM Plus Existing Buildings Version 2.0 Selective Scheme, what is the definition of BEAM Professional with EB credential.