

Recommended Environmental Protection Measures in Building Rehabilitation

Hacking off wall finishes



▲ Spray water while breaking



▲ Extract dust with the use of vacuum cleaner while breaking.



▲ Use canvas cover to prevent indoor area from fugitive dust disturbance



▲ Cover well for dusting materials

<i>Problem</i>	<i>Practical Solutions</i>
Fugitive dust	Spray water before/while breaking
	Extract dust with the use of vacuum cleaner while breaking
	Isolate the dusty zones and protect occupied flats by the use of wooden boards and canvas shields
	Cover well for the temporary storage of dusty materials
	Step up general cleaning work
Air and noise nuisance	Agree with affected parties on a compromised schedule which cause the least nuisance and send out advance notification

Grinding work



▲ Spray water before grinding



▲ The grinding machine is fixed with the extraction inlet of vacuum cleaner for effective dust control during grinding work

<i>Problem</i>	<i>Practical Solutions</i>
Fugitive dust	Spray water before grinding
	Use vacuum cleaner to extract dust while grinding

Demolition work



▲ Use of hydraulic crusher can conduct demolition work in a very quiet way



▲ Use of movable barrier to abate noise coming out from the use of noisy equipment

<i>Problem</i>	<i>Practical Solutions</i>
Noise nuisance	Restrict noisy works and use of noisy equipment, e.g. hand-held breakers or electric drills, to less sensitive hours of the day
	Use quiet machine, such as hydraulic crusher for demolition
	Adopt movable noise barrier in using noisy machines to reduce noise
	Liaise with the most affected residents to schedule noisy works in mutually acceptable hours and period

Handling of construction & demolition waste



▲ Set up waste sorting and segregation area



▲ Recycle and reuse the sorted materials



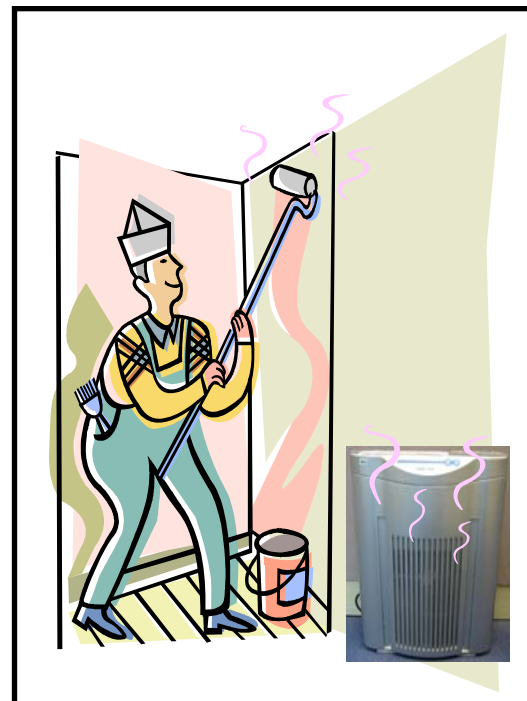
▲ Use recycling bins for collecting smaller household waste, such as paper, metals and wood

<i>Problem</i>	<i>Practical Solutions</i>
Construction waste	<p>Set up waste sorting and segregation area</p> <p>Recycle and reuse the sorted materials</p> <p>Dump sorted construction waste in an environmental-friendly and cost-effective approach</p> <ul style="list-style-type: none"> ● Consisting entirely of inert materials, such as rock, rubble, boulder, earth, soil, sand, concrete, asphalt, brick, tile, masonry or used bentonite should be dumped at public fill reception facilities with a cost of \$27 per tonne ● Containing more than 50% by weight of inert construction waste should be dumped at sorting facilities with a cost of \$100 per tonne ● Containing not more than 50% by weight of inert construction waste should be dumped at landfills with a cost of \$125 per tonne

Painting work



▲ Use VOC free paint



▲ Use VOC absorbing equipment during painting

<i>Problem</i>	<i>Practical Solutions</i>
Odour	Spray and hand painting must be done with good ventilation
	Avoid the use of products containing volatile organic compounds (VOC)
	Agree with neighbors on the use of VOC products in mutually acceptable hours
	Adopt the use of VOC absorbing material/equipment
	Use strong extraction fan