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Municipal Solid Waste Management (focused on Construction Waste)



SH

Seoul Housing & Communities Corporation

Kunwoo Oh

Contents

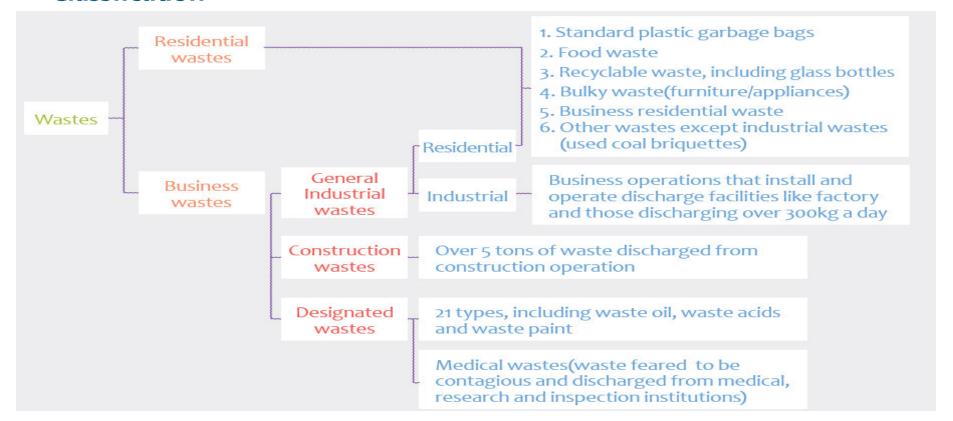
1. Waste	2. Construction Waste	3. SH CWMS
 Definition & Classfication Trends of Waste Generation Disposal Process Treatment Method 	 Definition & Classfication Treatment Method of CW CW recycling procedure diagram 	 Construction Waste Management System Configuration & Operation

01 Waste

Definition

"Waste" means a substance that is not necessary for a person's life or business activities, such as trash, combustion ash, sludge, waste oil, waste acid, waste alkali, and animal's carcasses.

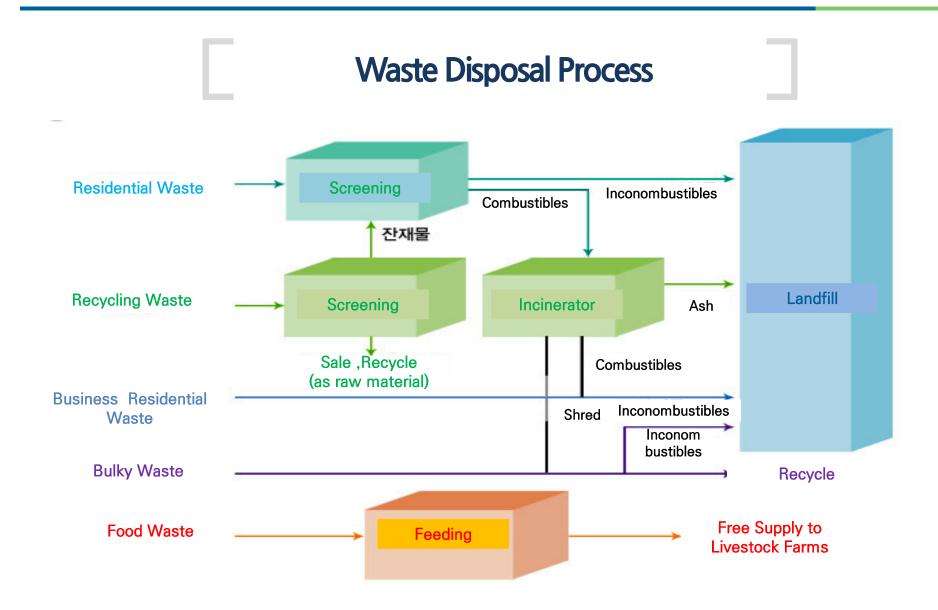
Classfication



01 Waste

Trends in Annual Waste Generation





01 Waste

Treatment Method

Recycling (86.4%)

- Mechanical Recycling Facilities
 (Compression, Crushing&Grinding, Refinement, Drying ,etc)
- Chemical Recycling Facilities
 (Solidification, Condensation, etc)
- Biologicalcal Recycling Facilities (Composting, Aerobic&Anaerobic decomposition, etc)

Incineration (5.8%)

- Normal Incineration Facilities (850°C ↑)
- High Temperature Incineration Facilities (1,100 °C ↑)
- Pyrolysis Facilities (including Gasfication)
- High Temperature Melting Facilities (1,200 °C ↑)

Landfill (7.8%)

- Isolated landfill Facilities (for designated waste)
- Designated landfill Facilities (for household, general industrial waste)



Definition

"Construction Waste" means at least five tons of waste generated from a construction site during construction works

Classfication

Conbustible

- Waste wood
- Waste synthetic resin
- Waste wallpaper

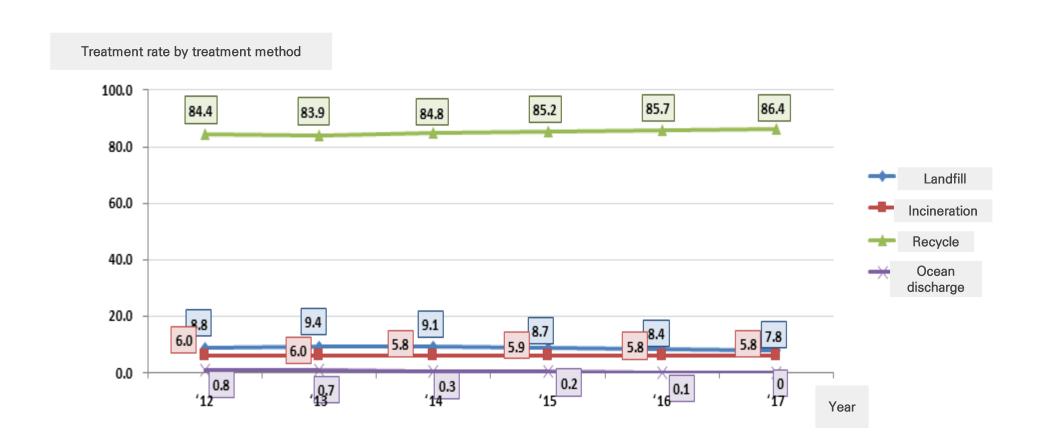
Inconbustible

- Waste concrete(62.8%)
- Waste asphalt(18.3%)
- · Waste bricks, blocks and tiles
- Waste soil
- Waste glasses
- Waste metals
- Sludge

Mixed

- Waste board
- Waste panel
- Mixed construction waste

Trends in Annual Construction Waste Treatment Method

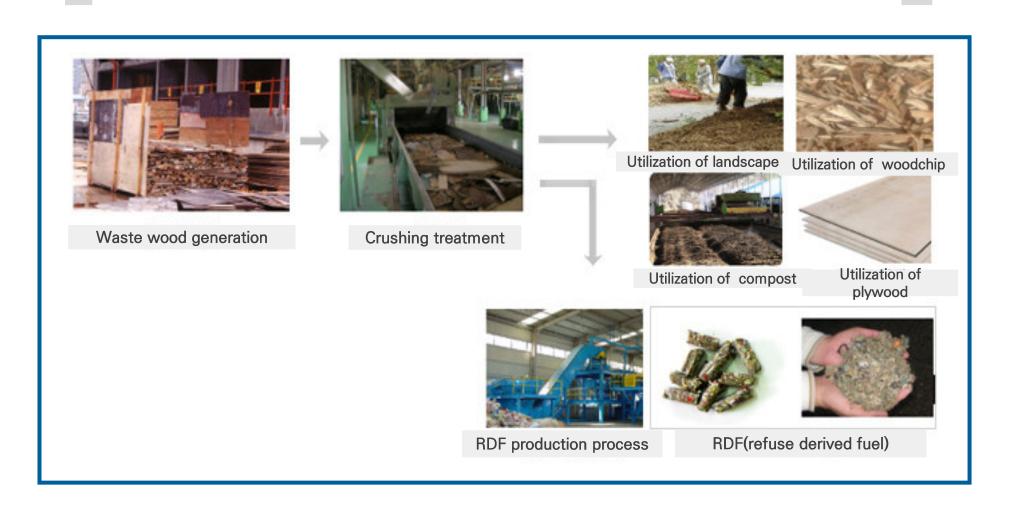


Construction Waste Recycling Procedure Diagram



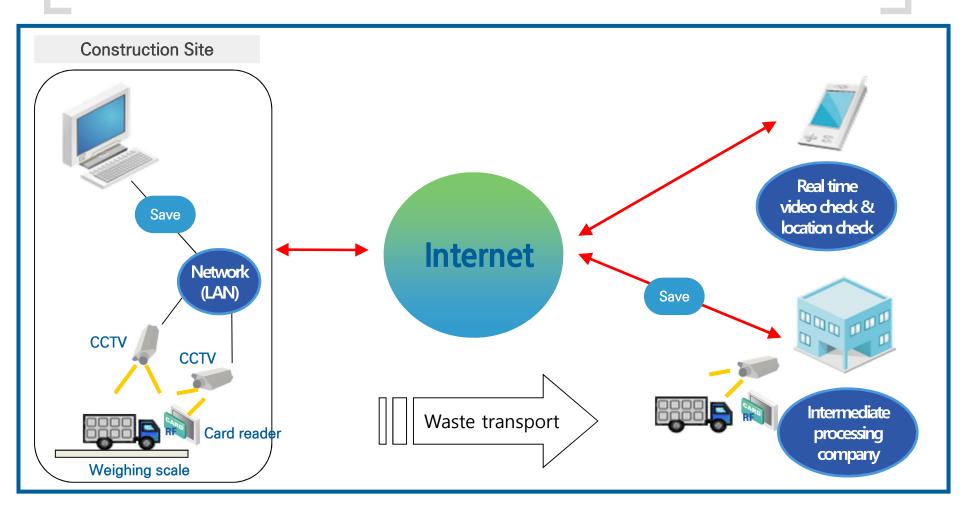


Construction Waste Recycling Procedure Diagram



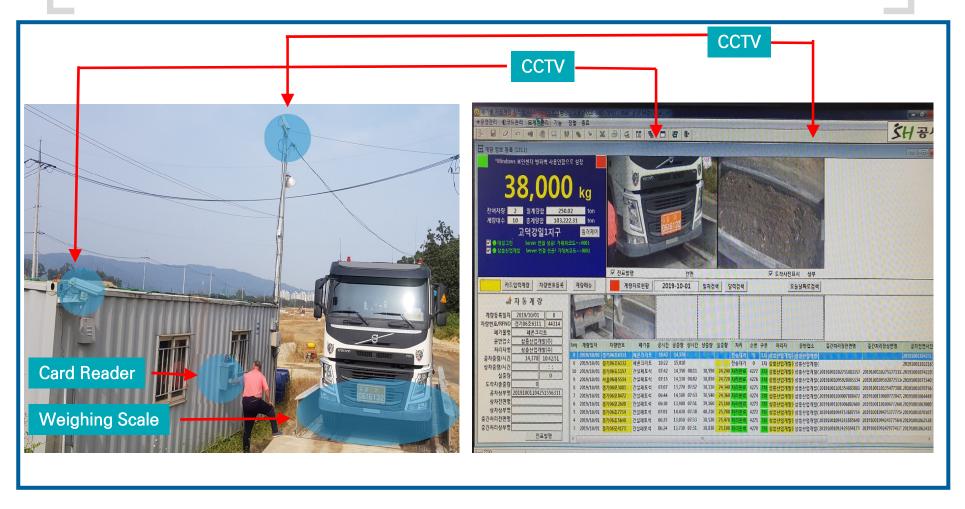
02 Construction Waste

SH CWMS(Construction Waste Management System Concept)



02 Construction Waste

SH CWMS(Construction Waste Management System)

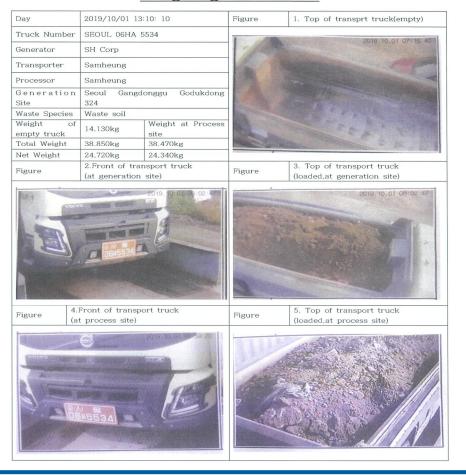


Weighing Certificate

계 량 전 표

2019/10/01 07:15:40 사진설명 1.배출현장 운반차량 공차 상부 차량 번호 서울06하5534 배 출 자 SH 공사 운 반 자 삼홍산업개발(주) 처 리 자 삼흥산업개발(주) 서울특별시 강동구 고덕동 324번지 일원 배출 장소 폐기물종류 건설페토석 공차 중량 14,130 kg 처리장중량 총 중 량 38,850 kg 38,470 kg 실 중 량 24,720 kg 24,340 kg 사진설명 2.배출현장 출발전 전면 2019.10.01 08:02:47 사진설명 4.중간처리장 도착 운반차량 전면 5.중간처리장 도착 운반차량 상부

Weighing Certificate



Thank you for your attention.