

Waste Data Framework – Workshop 1: Mandatory Protocols

WasteMINZ

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Introduction

- Framework update has 3 components
 1. New protocols for mandatory reporting
 2. New Standard Reporting Indicators for TA reporting
 3. Insights report for future development
- This workshop is looking at the first one
- Focus is to review the procedures proposed for gathering tonnage and Activity Source data from Regulated Facilities.

Introduction

- This workshop will cover:
 1. Part 1: Overview
 - a. Mandatory requirements
 - b. Definitions
 - c. Activity Sources
 - d. Commercially sensitive information
 2. Part 2: General Procedures
 - a. Adapting weighbridge codes
 3. Part 3: Procedures for Classes of Facilities
 - a. Generic procedure

Part 1: Overview

- Mandatory Requirements
 - Tonnages of residual waste sent to disposal
 - Activity source of residual waste sent to disposal
 - Tonnages of diverted materials from Regulated Facilities
- Definitions
 - The intent is to make the Framework the common repository for all definitions in relation to waste data

Part 1: Overview

- Where possible reference legislative or regulatory definitions (*)
- Some definitions for today:
 - **Procedure:** *The specific set of steps that are to be taken to generate the required data*
 - **Protocol:** *A set of procedures for reporting specific information (for example this is a protocol for mandatory reporting)*
 - **Framework:** *All of the protocols for different types of reporting*
 - **Regulated Facility:** *All facilities that have mandatory reporting obligations, including class 1 – 4 disposal facilities, Class 5 facilities, transfer station, or industrial monofill*

Part 1: Overview

- Activity Source: *The personal or commercial activity that caused the waste to be created.*
- Activity Sources:
 - Construction and Demolition
 - Mixed Industrial/ Commercial/ Institutional
 - Heavy industrial
 - Residential drop off
 - Residential kerbside collections
 - Unusual activity
 - Transfer station – mixed activities

Part 1: Overview

- Commercially Sensitive Information
 - Where one commercial operator is handing over information to potential competitor, potential for commercial sensitivity issues
 - Unless licensing in place, provision of information voluntary
 - As will see, much Activity Source data can be inferred, where not possible assumptions applied
 - Set of principles rather than detailed code of practice
 - Only use data for purpose supplied
 - Only request relevant data
 - Treat all data as confidential
 - Appropriate processes and technologies in place to safeguard data
 - Use a data sharing agreement if appropriate

Part 2: General Procedures

- By applying some key principles most facilities should be able to determine 80% of Activity Source without gathering any new data
 - Product Code: Council kerbside, unusual (special) waste
 - Customer name/account: C&D, business customers, waste collectors
 - Vehicle registration: Specific routes
 - Truck type: Bulk haul, side load, FEL, tip trucks

Part 2: General Procedures: Weighbridges

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Activity sources of all waste loads at Otaihangā RRF and Ōtaki Transfer Station 20 August - 16 September 2017	% of total weight	Tonnes/week
Construction & demolition	18%	98 T/week
Industrial/commercial/institutional	21%	118 T/week
Landscaping & earthworks	3%	15 T/week
Residential	6%	35 T/week
Subtotal - general waste	48%	267 T/week
Kerbside waste	52%	294 T/week
TOTAL	100%	561 T/week

Weighbridges: First, use the Product Codes

Special Burial - Animals
WRC Sludge from Te Marua Treatment Plant
WRC Sludge from Te Marua Treatment Plant
Pellets
Milliscreen
Special Burial - Animals
Special Burial - Animals
Pellets
Pellets
Milliscreen
WRC Sludge from Te Marua Treatment Plant
WRC Sludge from Te Marua Treatment Plant
Pellets

Weighbridges: Who's hauling the waste in KCDC?

WASTE
OPERATORS
74%
OF WASTE TO
LANDFILL

EVERYBODY ELSE
26%

Weighbridges: Register the vehicle types

**WASTE
OPERATORS**

74%
**OF WASTE TO
LANDFILL**

**SIDE AND REAR LOAD
COMPACTORS**
53% OF ALL WASTE



**KERBSIDE
WASTE**

FRONT LOADERS
13% OF ALL WASTE



**INDUSTRIAL/
COMMERCIAL/
INSTITUTIONAL**

GANTRY TRUCKS
9% OF ALL WASTE



**ANY ACTIVITY
SOURCE**

HOOK TRUCKS
0% OF ALL WASTE



**ANY ACTIVITY
SOURCE**

Weighbridges: The other trucks

GANTRY TRUCKS

9% OF ALL WASTE

HOOK TRUCKS

0% OF ALL WASTE

SWAP SURVEY

GENERIC SWAP
DATA

ASK THE WASTE
COLLECTOR

WEIGHBRIDGE
SURVEY

Weighbridges: And the rest?

EVERYBODY NOT A
WASTE COLLECTOR -
26% OF WASTE TO
LANDFILL

ACCOUNT HOLDERS
14% OF ALL WASTE

PUBLIC
12% OF ALL WASTE

Weighbridges: Classify the account holders

Waikanae Christian Holiday Park
KCDC Works / Services
Natural Habitats Ltd
Fulton Hogan Ltd Wellington - 1797
Topliff Carpets (1989) Ltd T/A Carpet Court Kapiti
KCDC Works / Services
NZ Proud Ltd
Piling & Drilling Services Ltd
Bananalama Landscaping Ltd
Paraparaumu Flooring Centre Ltd
NZ Proud Ltd
Civic Ltd
DNS Developments Limited
The Salvation Army Family Store
KCDC Wastewater
KCDC Works / Services
Civic Ltd
Nolan Construction Ltd
NZ Proud Ltd
C D Van der Meer Builders Ltd
The Salvation Army Family Store
Flooring Design
KCDC Works / Services

Weighbridges: The last bits

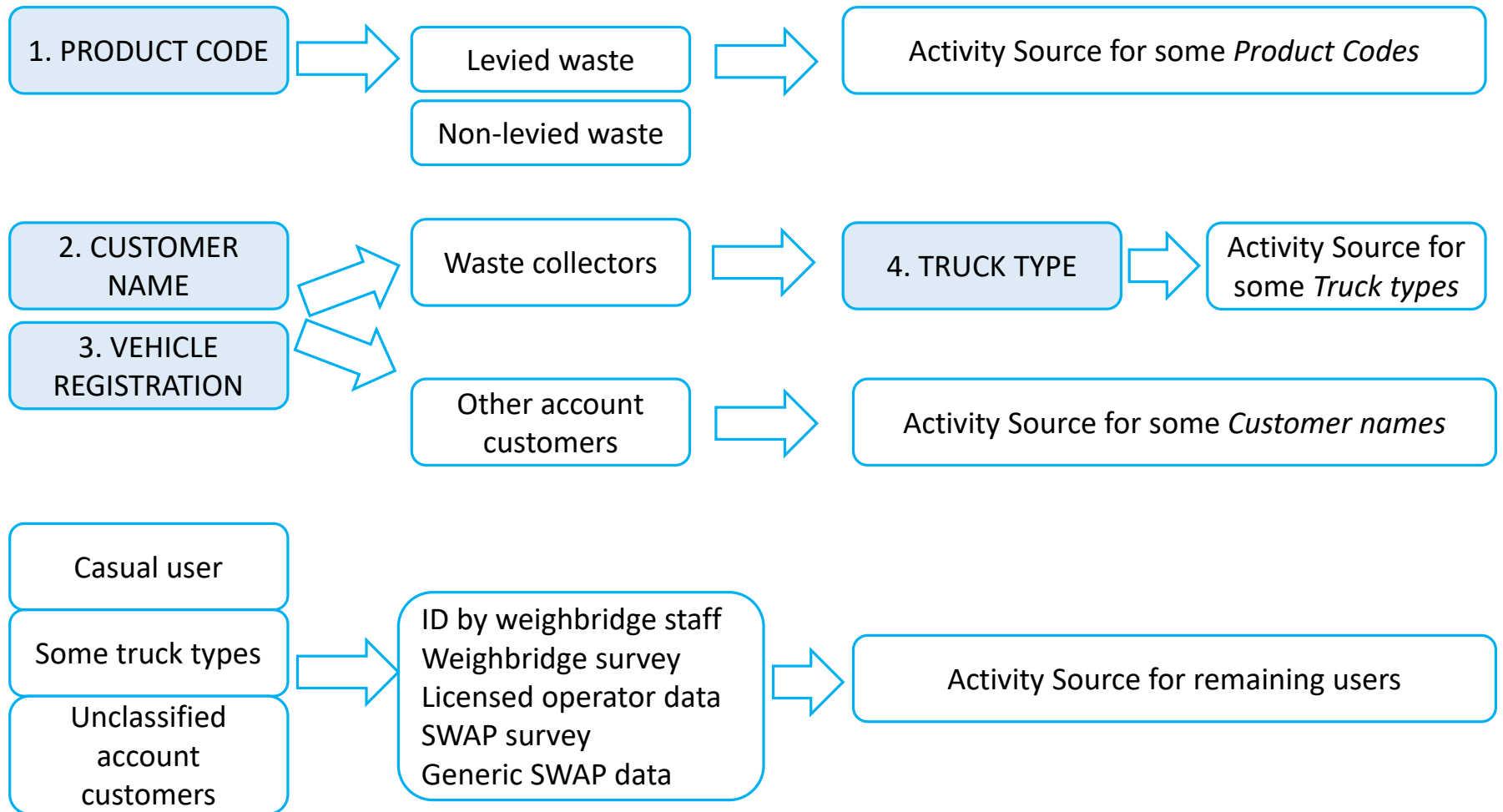
PUBLIC
12% OF ALL WASTE

SWAP SURVEY

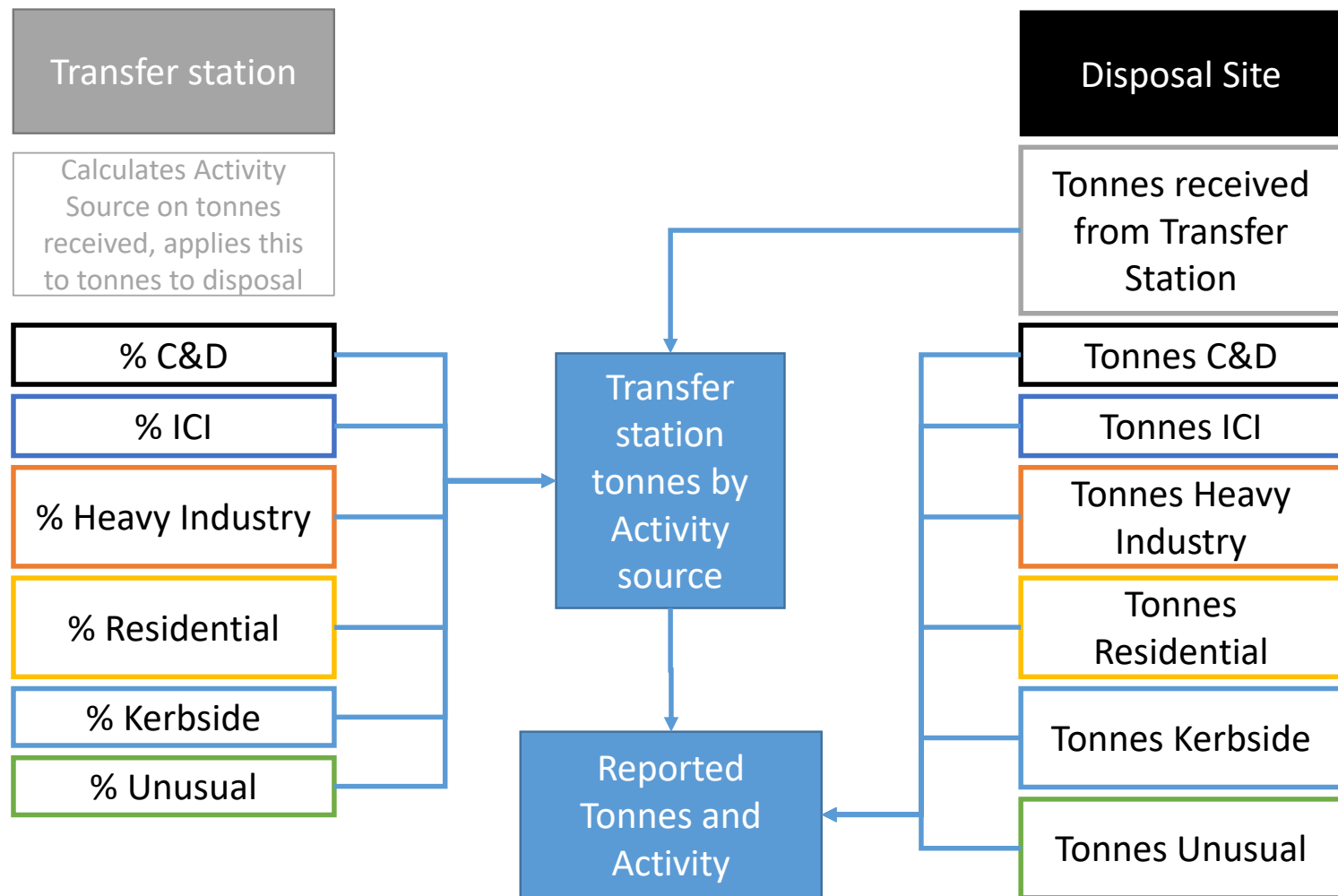
**GENERIC SWAP
DATA**

**WEIGHBRIDGE
SURVEY**

Part 2: General Procedures



Part 3: Specific Procedures



Part 3: Specific Procedures

- A lot of procedures – different combinations of facility type, and where is a weighbridge/ no weighbridge, and staff/no staff
- But they are all basically the same:

Part 3: Specific Procedures

1. What data needs to be gathered
2. Identify the Activity Source when the vehicle enters the facility
3. Record the Activity Source and net weight
4. Record what goes out (Activity Source assumed to be same as what comes in – unless it is obviously not)
5. Calculate the total tonnage for each Activity Source for the period
6. Report the appropriate data to MfE (through appropriate platform)

Part 3: Specific Procedures

- All the specific procedures are just variations on this theme. Key variations are:
 - If no weighbridge then quantities must be estimated using options set out in Chapter 4 of the Ministry's Waste disposal levy and reporting requirements guide for site operators
 - If no staff, then appropriate recording processes (e.g. swipe card, log book must be in place)
 - Class 2-5 facilities by definition are C&D. Industrial monofills by definition are Heavy Industrial

Questions?

Thank You

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