



ResourceCo RRF Pty Ltd

Waste Monitoring Program

Wetherill Park RRF May 2025

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1. Document Information

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March 2023	1	New document.	Gary Salway
May 2025	2	Revision following rebrand	Ben Whitehouse

Waste Monitoring Program

B10. From the commencement of operation, the Applicant must implement a Waste Monitoring Program for the development. The program must:

- A. include suitable provision to monitor on a daily basis the:
- B. quantity, type, and source of waste received on site; and
- C. quantity, type, quality and destination of the outputs produced on site.
- D. ensure that:
- E. all waste that is controlled under a tracking system has the appropriate documentation prior to acceptance at the site; and
- F. staff receive adequate training in order to be able to recognise and handle any hazardous or other prohibited waste, including asbestos; and
- G. require that all weighbridge data be retained for the life of the development and be made immediately available on request to the Secretary and/or the EPA.

Pre-qualification

All potential customers will be required to be pre-qualified before being allowed to bring waste to the facility in accordance with PROC28 *Incoming Waste Customer Pre-Qualification Procedure*. This pre-qualification process will determine if the potential customer's waste meets the approved acceptance criteria for the site, if it will enable high quality products including PEF to be produced and which category it meets for the PEF processing criteria, which are:

- C&D recycling residues
- mixed C&I "no limit PEF"
- mixed C&I "50% PEF" or
- mixed C&D

If the customer's pre-qualification meets the C&D recycling residues category the customer will be required to complete a declaration stating that their residuals being sent to ResourceCo is no more than 25% of their incoming waste by weight and that ResourceCo is the only energy recovery facility to which they are sending their residuals. This declaration will be required to be completed on a quarterly basis to allow ResourceCo to submit this declaration with its quarterly allowable PEF percentage calculation to the NSW EPA.

At the facility

Signs at the entrance clearly indicate the types of wastes that are and are not accepted at the facility.

When a vehicle enters the weighbridge, the Customer Service and Weighbridge Operator will check with the driver if the waste meets the acceptance criteria and will visually inspect the load for waste types not accepted or to be excluded from the production process. If part or all of the load is identified as not be approved for tipping in the facility the truck will not be unloaded and will be directed to leave the site immediately. The Customer Service and Weighbridge Operator will also ensure that all waste that is controlled under a tracking system has the appropriate documentation prior to acceptance at the site.

If the waste meets the acceptance criteria, then the waste delivery truck will be directed to the waste tipping area inside the manufacturing building. Once the load is tipped the Waste Receiving Inspection Officer will inspect the load for waste types not accepted or to be excluded from the production process, and to ensure that all waste that is controlled under a tracking system has the appropriate documentation prior to acceptance at the site.

Wastes that are not able to be accepted will either be sent back out of the site on the same waste delivery truck (if it is able to be) or removed from site as soon as possible by a licenced collector at the customer's expense (if the incoming waste truck has left the site or if it is not able to be reloaded provides a job description for this person's role. outlines the approach to handling and disposal of hazardous materials such as asbestos, sharps and chemical/biological materials that, despite the waste acceptance procedures, have been delivered to site.

Waste monitoring program

Incoming waste

The following details will be recorded and kept on file for all incoming waste received on the site:

- Quantity, type, and source of waste
- Date and time of receipt
- PEF processing criteria category
- Copies of all documentation relating to tracking for controlled waste brought to the site.
- Details of any hazardous or other prohibited materials (including asbestos) brought to the site, along with handling and disposal activities undertaken and a record of any related documentation

Outgoing material

The following details will be recorded and kept on file for all material produced on site and disposed off site:

- Quantity, type, quality, and destination of outputs/products
- Quantity, type and destination of all waste/residuals sent for offsite disposal.
- Copies of all documentation relating to tracking for all controlled waste leaving the site

Training

Staff will receive adequate training in order to be able to recognise and handle any hazardous or other prohibited waste including asbestos. Training will be in accordance with Proc 208 Training and verification of competency.

Quality control

Hazardous materials

Any materials listed will be immediately rejected from the site where safe to do so and staff will be trained to ensure that these materials are first quickly identified and secondly safely removed from the waste stream. Prohibited wastes include:

- Asbestos
- Liquid Wastes
- Special Wastes
- Chemical or Oil Wastes
- Medical Wastes
- Contaminated Soils
- Explosives
- Poisons
- Radioactive Wastes
- Pharmaceuticals
- Electronic Wastes
- Batteries
- Food Waste
- Green Waste
- CCA Timber
- PVC Plastics
- End of life tyres
- Car Batteries
- Mattresses
- Gas Cylinders
- Aerosols
- Paint Cans

Specific management techniques for key hazardous waste types are provided below.

Asbestos

The following will be implemented to manage the potential for asbestos in the waste stream:

- Direct education with the customer base to ensure that only materials that are asbestos free will be accepted at the site. This is particularly focussed upon in the pre-qualification process with a potential new customer.
- Well positioned, appropriate signage at the entrance, weighbridge on weight dockets and at the drop off point.

- Asbestos identification training for all relevant staff on site.
- Safe asbestos management and removal training for all relevant staff on site.

Safe asbestos management and removal procedures are outlined in CR-MP004 Asbestos Management Plan.

Sharps and medical waste

Sharps and medical waste identification training for all relevant staff on site. Please see CR-SP001 Handling Sharps

Chemicals and oils

Hazardous Chemicals identification training for all relevant staff on site. CR-PR236 Hazardous Substances and Dangerous Goods Oil spill kits will be kept on site at all times and staff will be trained in its appropriate use.

Chemicals will be managed on an as needs basis with supervisors with dangerous goods training quickly assessing if the spill can be safely managed internally or if external assistance is required i.e. NSW Fire and Rescue.

2. Process engineered fuel.

Quality control will be undertaken in accordance with the procedures for PEF quality management outlined in the Energy from Waste Management Plan. This includes:

- Control of the wastes accepted into the facility, as described in Section 1 to minimise contaminants, and in particular PVC plastics through:
 - Pre-qualification of customers
 - Waste screening and acceptance processes including visual inspection.
- Development of PEF specifications and test procedures in conjunction with customers
- Physical separation of the incoming waste stream to remove materials from the PEF product
- Physical testing in accordance with test procedures
- Online PBF analyser for the higher wood content PBF output line to monitor chlorine content, calorific value and moisture.

PEF specification and test procedures will be determined in conjunction with each specific customer (typically cement kilns). The required specification and test procedures for PEF and procedures for management of out of specification PEF are provided in CR-PR217 – Managing Out of Specification PEF.

3. Waste delivery

All waste delivered to site will be weighed in at the weighbridge and the following information recorded:

- Vehicle registration
- Customer name and address
- On accessing the site, Gross Weight, on egressing the site Tare Weight, ascertaining the Net Weight

- Categorisation of the waste materials (either C&D recycling residues, C&I “no limit PEF,” C&I “50% PEF” or mixed C&D)

The driver will be directed to the receival hall to deposit the waste. A visual inspection of the waste will then be performed by the Waste Receival Inspection Officer. Once a visual inspection of the waste has been undertaken and the material is deemed suitable as meeting acceptance criteria, the waste will be moved into the waste receival stock. Vehicles will exit via second weigh bridge, and at this point the transaction will be completed and additional charges and/or information recorded (if applicable) will be applied.

All vehicular travel will be on well sign posted and sealed roads.

4. Waste storage and processing

All processed and unprocessed waste will be stored within the building on the site.

Waste will be secured and maintained within designated waste storage areas at all times and is not to leave the site onto neighbouring public or private properties.

Processed, wrapped and baled PEF may be stored in the area designated on the approved plans for the outdoor storage of PEF, as described in CR-MP009 Operations site plan.

5. Finished PEF storage and despatch.

Finished PEF will be stored in the finished PEF storage area. This area is able to store approximately 1,800 tonnes and will be operated within the following parameters:

- 10% of capacity to be designated quarantine area for out of specification PEF diversion temporary storage
- Minimise PEF to be stored on site at any one time (target = less than 1 day’s production) to maximise the buffer storage space available in the event of a despatch issue.

Should despatch to suppliers be interrupted, then all PEF production will be diverted to the baling and wrapping line, after which it will be containerised and exported so as not to interrupt PEF production. The supply chain is sufficiently long and buffered such that it is not anticipated to create any despatch issues at the facility. However, should there be a significant despatch interruption, the following procedure will be enacted:

1. Maximise the storage of PEF in the PEF storage area (this includes both the loose PEF stored with the PEF storage area of the building as well as the baled and wrapped PEF storage area of the site)
2. Once the PEF storage area is full, cease manufacturing PEF until the undercover waste infeed area (which has a capacity of approximately 2,000 tonnes) is full.
3. Once both these areas are full, cease receiving waste at the facility. The waste type (general solid waste (non-putrescible)) is able to be disposed of at one of a number of landfills in western Sydney.

6. Waste reporting

The weighbridge data including type, PEF category and amount of waste (in tonnes) received at the site on a daily basis will be recorded and retained.

All waste tracking, sampling and waste classification data will be retained on site for the life of the facility and be kept readily available for inspection by the EPA and the Secretary of the Department of Planning and Environment.

Outgoing material

The type, quantity and destination of all material produced on site and transported off-site as product or waste will be recorded and retained.

All waste tracking, product testing and waste disposal data will be retained on site for the life of the facility and be kept readily available for inspection by the EPA and the Secretary of the Department of Planning and Environment.

7. Role specific training

Staff will be trained as required to meet their role description and responsibilities for their role. This may include training in record/reporting systems, visual inspections (e.g., to recognise hazardous materials such as asbestos), acceptance criteria, waste handling, quality control etc.

8. Reporting

The weighbridge data including type, PEF category and amount of waste (in tonnes) received on the site and all material produced on site and transported off-site (as product or waste) will be recorded and retained on site for the life of the facility.

Record keeping

PEF calculations and records generated will be identified, collected, and stored in accordance with ResourceCo's quality management system.

Compiled calculations of percentages of incoming waste streams as well as Quarterly C&D recycling residuals declarations will be retained on site for the life of the facility and be kept readily available for submission to the EPA on request.

Area of management	Action	Frequency
Inspections and monitoring		
Energy from waste management	Inspection and screening of all incoming loads	On occurrence
Waste management	Inspection of onsite sorting and storage of recyclables	Monthly
	Inspection of all incoming loads	On occurrence
Traffic management	Inspection of all loads to make sure they are covered	On occurrence
	Inspection of the site entrance for waste accumulation	Weekly
	Inspection of road pavements for damage conditions	Monthly
Reporting		
Waste reporting	Weighbridge data including waste type, PEF category, amount of waste (in tonnes)	Daily, and retained for the life of the facility
	Waste tracking, sampling, and classification	As required, and retained for the life of the facility
Outgoing material	Type, quantity and destination of all material produced on site and transported off-site as product or waste	Daily, retained on site for the life of the facility and be kept readily available for inspection by the EPA and the Secretary of the Department of Planning and Environment