Rookery South ERF - Community Liaison Panel AGENDA - 20th January 2020
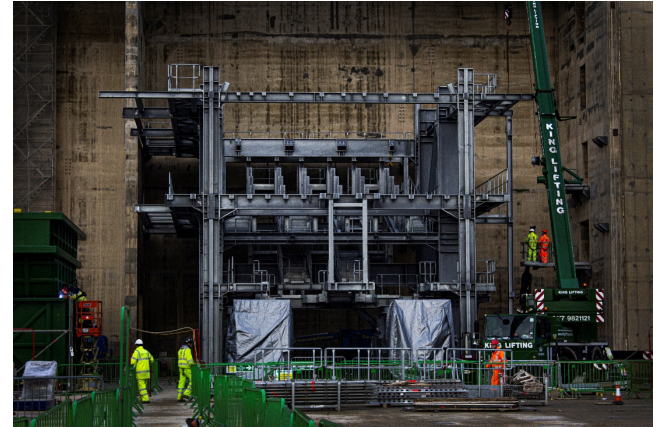
- **Introductions/Group ground rules (incl. terms of reference)**

- **Apologies for Absence**

- **Approval of notes from previous meeting**

- **Matters arising from previous meeting (14/10/19)**

- **Construction Update – Q & A (Jack Stitt)**

- **Veolia - waste depots Q & A (Marine Avisse; Mark Smith; Phil Farrow)**

- **Local Authority Monitoring – (Anita Taylor/Alan Stone – Q & A)**

- **Questions – (re. emissions; heavy metals)**

- **Items for next meeting**

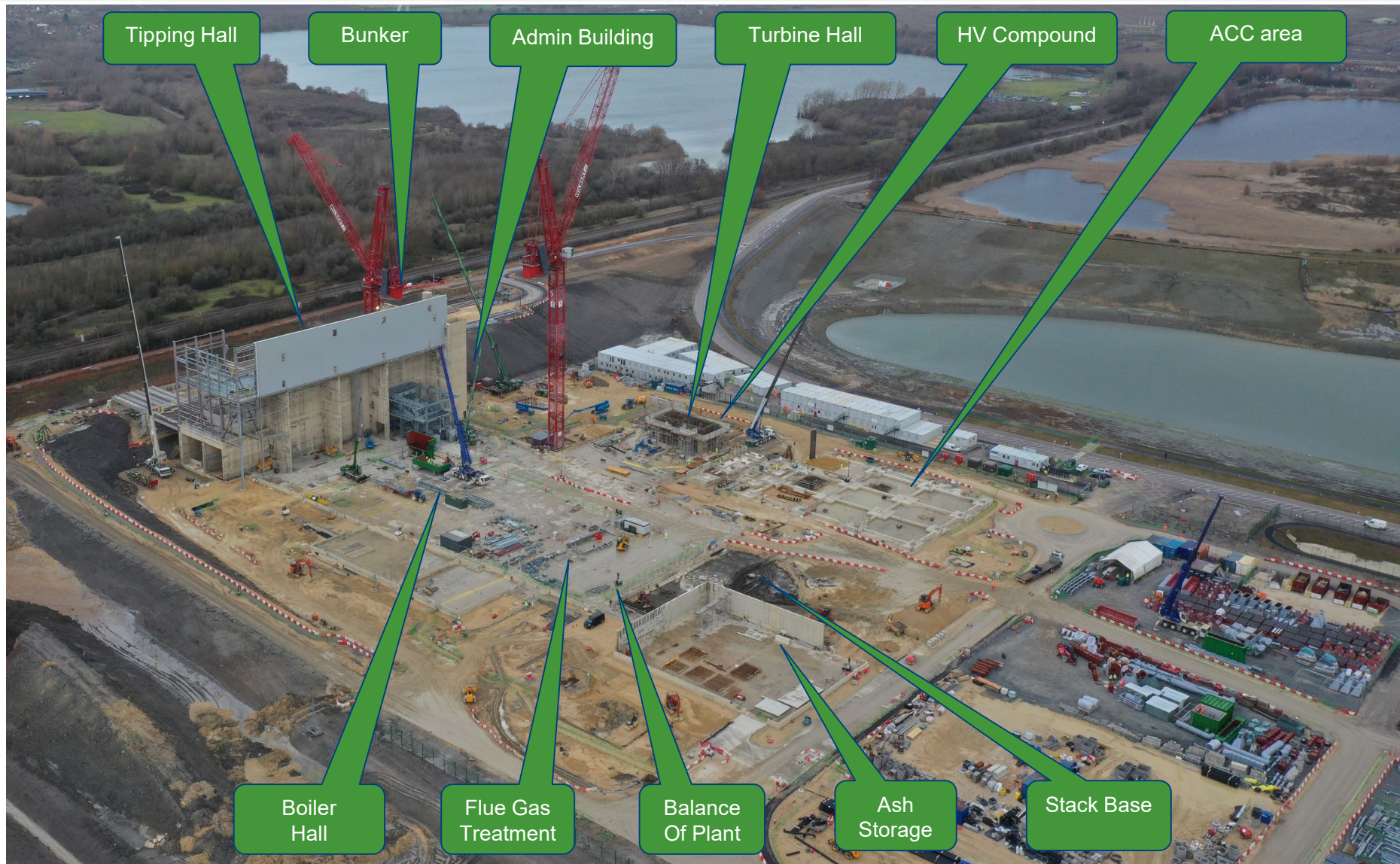- **Time/date/venue for next meeting**

Construction Update

- Construction progressing on schedule.

- Concrete elements largely complete

- Mechanical erection phase has started

- Process structural steelwork is being installed

- First elements of process equipment installed

- UKPN and Anglian Water works on Green Lane now complete.

- The next quarterly film is now live on the project website and can be accessed here.

- The first, second and future films can be viewed on Covanta's YouTube channel.
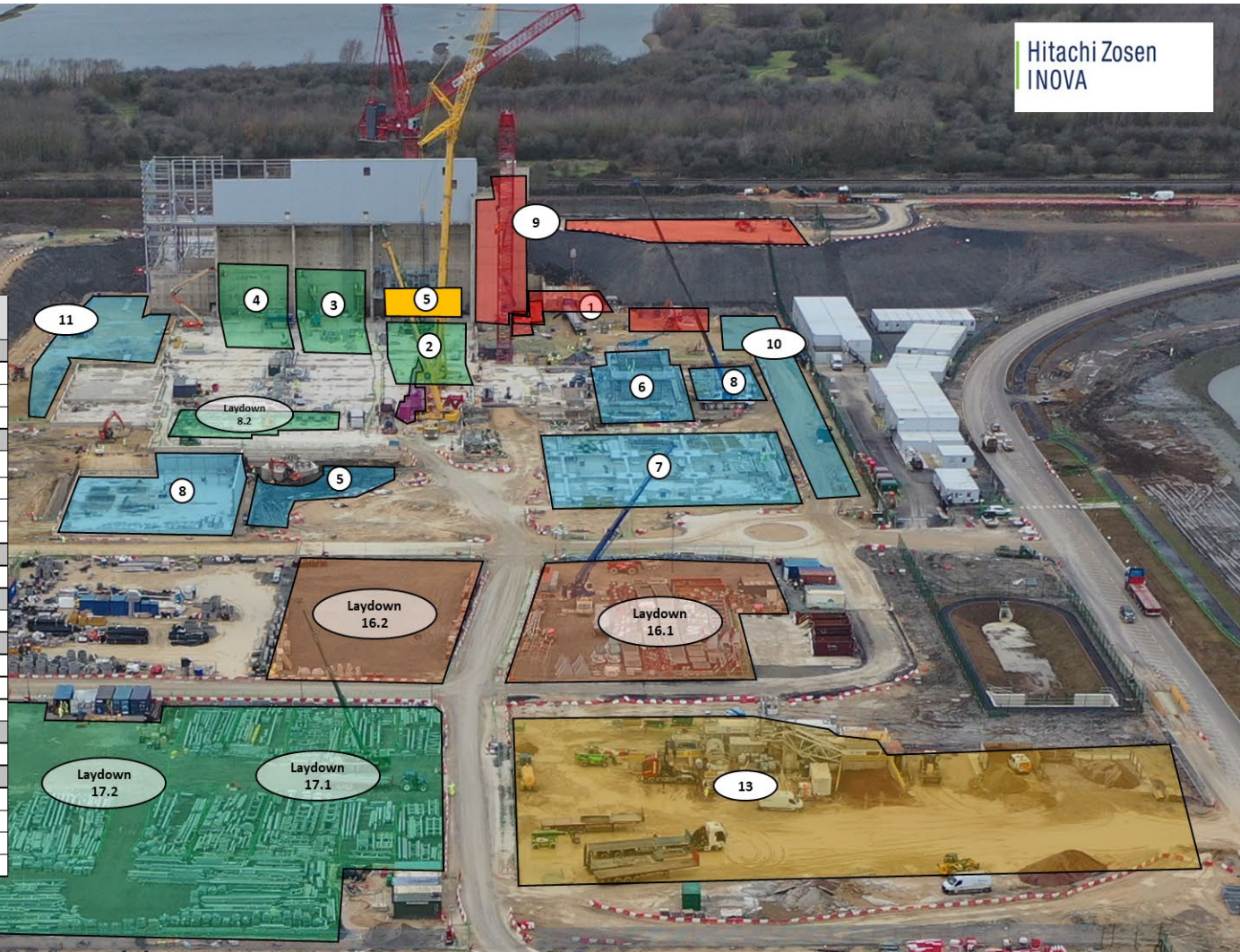
Aerial Photograph

Tipping Hall

Bunker

Admin Building

Turbine Hall

HV Compound

ACC area

Boiler Hall

Flue Gas Treatment

Balance Of Plant

Ash Storage

Stack Base

HZI Planning

Expected Deliveries:

- **Lot 8 Steel Structure:**
- Cubes 03-111 / 03-112
- **Equipment:**
- WSC Piping

	Building Section / Contractor		Activity Description
BS01 Tipping Hall			
1		Byrne Bros	Tipping Hall Slab
		Byrne Bros	Cast slope slabs on North & South Side
		Byrne Bros	North & South Retaining Wall & Upstands
BS03 Boiler Hall			
2		MoZ	Erection of Cube 03-1-101 / 102
3		MoZ	Erection of Cube 03-2-101
4		MoZ	Start Erection of Cube 03-3-101
5		Pulawy	Lift In Grate / Bottom Ash Chutes L1
BS06 Turbine Hall			
6		Byrne Bros	Grouting columns & Earthing
BS09 Ash Bunker			
7		Byrne Bros	BS09 Complete
BS10 Transformer			
8		Byrne Bros	Backfilling
		Byrne Bros	Bore Holes, Earthing, Rod coring & Testing
		Byrne Bros	Steel fixing & shuttering to slab (200mm)
BS12 Admin			
9		HPSL	Steel Erection
BS51 Externals			
10		Byrne Bros	Firemain & Drainage BS51 North
11		Byrne Bros	Firemain & Drainage BS51 South
LD16.1		Area 16.1 / 16.2	Preassembly & Laydown Area for Lot 1&2 Pulawy
LD17.1		Area 17.1 / 17.2	Laydown Area for Steel Structure Zabrze

Hitachi Zosen INOVA

Construction – 3 month lookahead

- Third tower crane erection

- Continuation of structural steel erection

- Process Steel erection

- Feed hopper installation

- Delivery of boiler parts to site

- Preassembly of boiler parts

- Installation of boiler parts

- Feed hopper installation

- UKPN "on site" installation

Off Site Works

- UKPN grid connection works on Green Lane complete

    - All directional drills complete

    - Ducting complete

    - Cable installation will take place in Q2 2020

- Anglian Water

    - Works in Green Lane complete

    - Anglian Water will carry out water main improvements in Stewartby village starting Q1

- Network Rail

    - Level crossing upgrade works will take place 22nd – 31st August 2020.

    - Green Lane will be closed to all traffic - diversion route via Broadmead Road.

    - Network Rail will attend April meeting to present their approach

    - We will endeavour to reduce vehicle movements on the diversion route

    - No abnormal loads will use the diversion route

Project Programme

Activity	2018	2019	2020	2021	2022
Works Commencement NTP March 2019					
Access Road & Green Lane Junction					
Civil Construction (incl. piling)					
M&E Installation					
Boiler Testing					
Cold Commissioning (Power on Oct 2020)					
Hot Commissioning (First waste fire May 2021)					
Testing & Full Operation					

Deliveries of Abnormal Loads

A load is considered "abnormal" if one or more of the criteria below apply:

- Weight exceeds 44 tonnes

- Width exceeds 2.9m

- Length exceeds 18.65m

- A single axle load exceeds 10,000kg (11,500kg for a driving axle).

- Abnormal loads will start to arrive at Rookery in January 2020 (Boiler Components)

- Abnormal loads generally have an escort vehicle and move more slowly than normal lorries.

- The Police may choose to escort an abnormal load in special circumstances and at their discretion.

Temporary Extension of Working Hours Application

Power floating slabs

- Permission is sought to undertake this activity overnight (between 7pm and 7am).

- Concrete works are coming to an end and it is unlikely there will be regular use of this consent.

- This activity has previously consented and carried out overnight with no complaints.

Steel Erection

- Permission is sought to extend the working hours to mitigate against time lost due to wind stopping cranes

- Monday to Friday: 7pm – 10pm (lifting and manual tightening only, no deliveries between 7pm and 10pm)

- Saturday: 1pm – 4pm. (lifting and manual tightening only, no deliveries after 1pm)

- Sunday: 7am – 4pm. (lifting and manual tightening only, no deliveries after 1pm)

Non-Destructive Examination (NDE)

- Permission is sought to undertake NDE overnight (between the hours of 7pm and 7am)

- NDE utilises radiography and requires large exclusion zones to be established.

- It is industry practice to carry out this testing overnight when the main workforce are not on site.

- This activity does not result in any significant noise.

Rookery South CLP

20 January 2020
Mark Smith - Phil Farrow - Marine Avisse

Introductions

Mark Smith
Director of Permitting and Environmental Control
Veolia UK & Ireland

mark.smith3@veolia.com

Phil Farrow
Company Environment Manager
Veolia UK & Ireland

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Marine Avisse
Corporate Development Executive
Veolia UK & Ireland

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Environmental Compliance team

Mark Smith

Director of Permitting & Environmental Control

Andy Nash

Permitting Manager (North, Scotland and Industrial Customers)

Mat Rooke

Permitting Manager (South, Ireland and Biological)

Dave Jebb

Permitting Manager (Midlands, East and Landfill)

Delphine Canning

Permitting Manager (Energy)

Phil Farrow

Company Environment Manager

Phil Cockerton

Environmental Permitting Advisor

Julian Kaye

Pollution Control & Environmental Management Advisor

Emily Teare

Environmental Advisor

Anna Jennings

Pollution Control & Environmental Management Advisor

Waste Transfer Station operations

Waste Transfer Station operations

Waste specification

The fuel delivered at the Facility should:

- be in accordance with the European Consolidated Waste Catalogue (EWC) codes as listed in the Environmental Permit

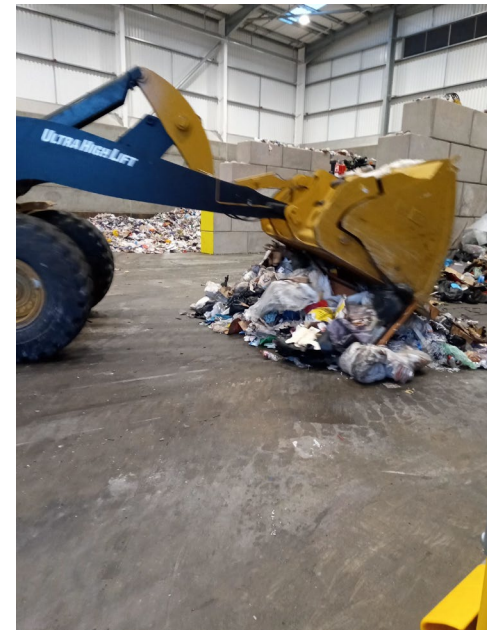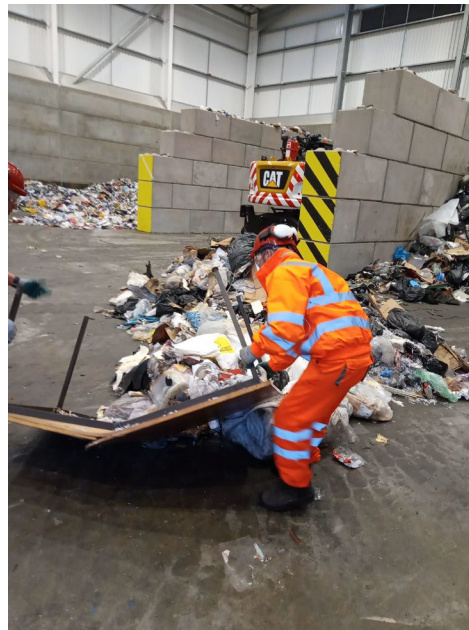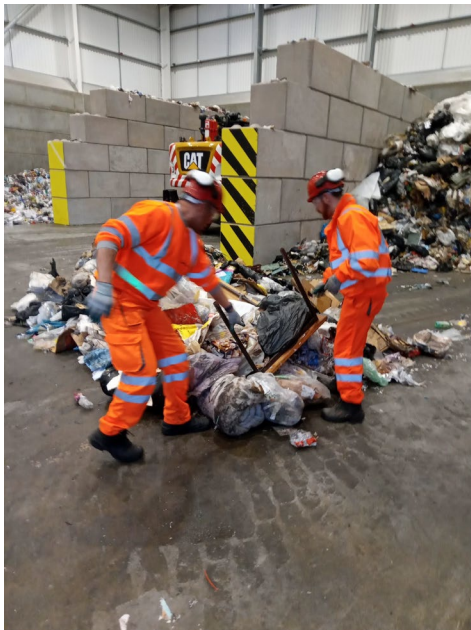- have a calorific value within the acceptable Calorific Value (CV) range

Bulky waste will be shredded

Waste Acceptance Protocol

Veolia Tier 2 Procedure - OPS/2/007

Covers all processes and procedures at Veolia transfer Stations, including but not limited to:

- Incoming loads
- Non-conformance
- Contamination
- Outgoing loads

Unacceptable materials

- Machinery other than household items

- Radioactive waste

- Pathological waste

- Hazardous waste or offensive clinical waste

- Oil sludge, cesspool and other human waste, human or animal remains

- Non-combustible construction material and/or demolition debris

- Motor vehicles, motorcycles, automobile engines, transmissions, rear-ends, springs, bodywork or major parts of motor vehicles

- Powders

- Explosives or munitions

- Gas cylinders

- Fire extinguishers

- Car batteries or concentration of disposal batteries

- Toxic and carcinogenic materials posing a threat to operating staff and the environment

- Hazardous refuse of any kind, such as cleaning fluids, crank case oils, paints, acids, caustics, poisons, drugs, asbestos residues

- Trailers, agricultural equipment, marine vessels or similar items, farm and other large machinery

in each case, in quantities or concentrations which are likely to cause physical damage to the Facility or have a material adverse impact on the operation of the Facility.

Unacceptable materials

External agencies audits & reporting

England only End December 2019 Account Management companies compliance comparison
- CCS 1st January 2020
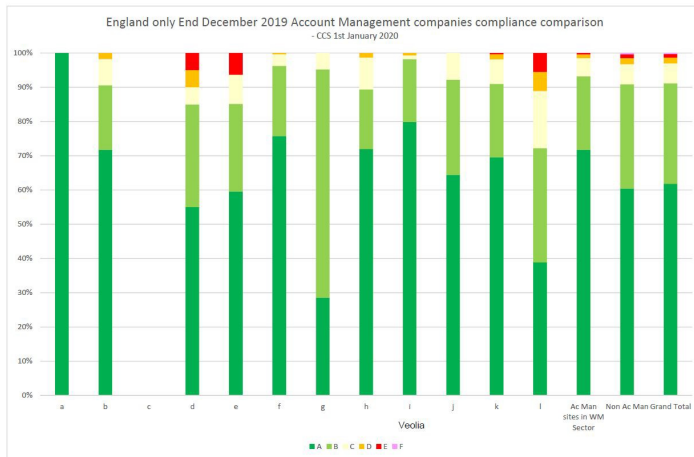
- Graph showing compliance in relation to Veolia competitors

- Issues by the Environment Agency on annual basis

- Veolia is a top performer

- AVA platform used by the whole of Veolia

- Central system

- Central system for reporting accidents, incidents, enforcement authority communications

Veolia Waste Acceptance Protocol

Flowchart:

- Vehicle arrives at weighbridge
- Vehicle weigh-in Driver hands over WTN and declares EWC code
- Weighbridge operator visually inspects vehicle
- Problem suspected ?
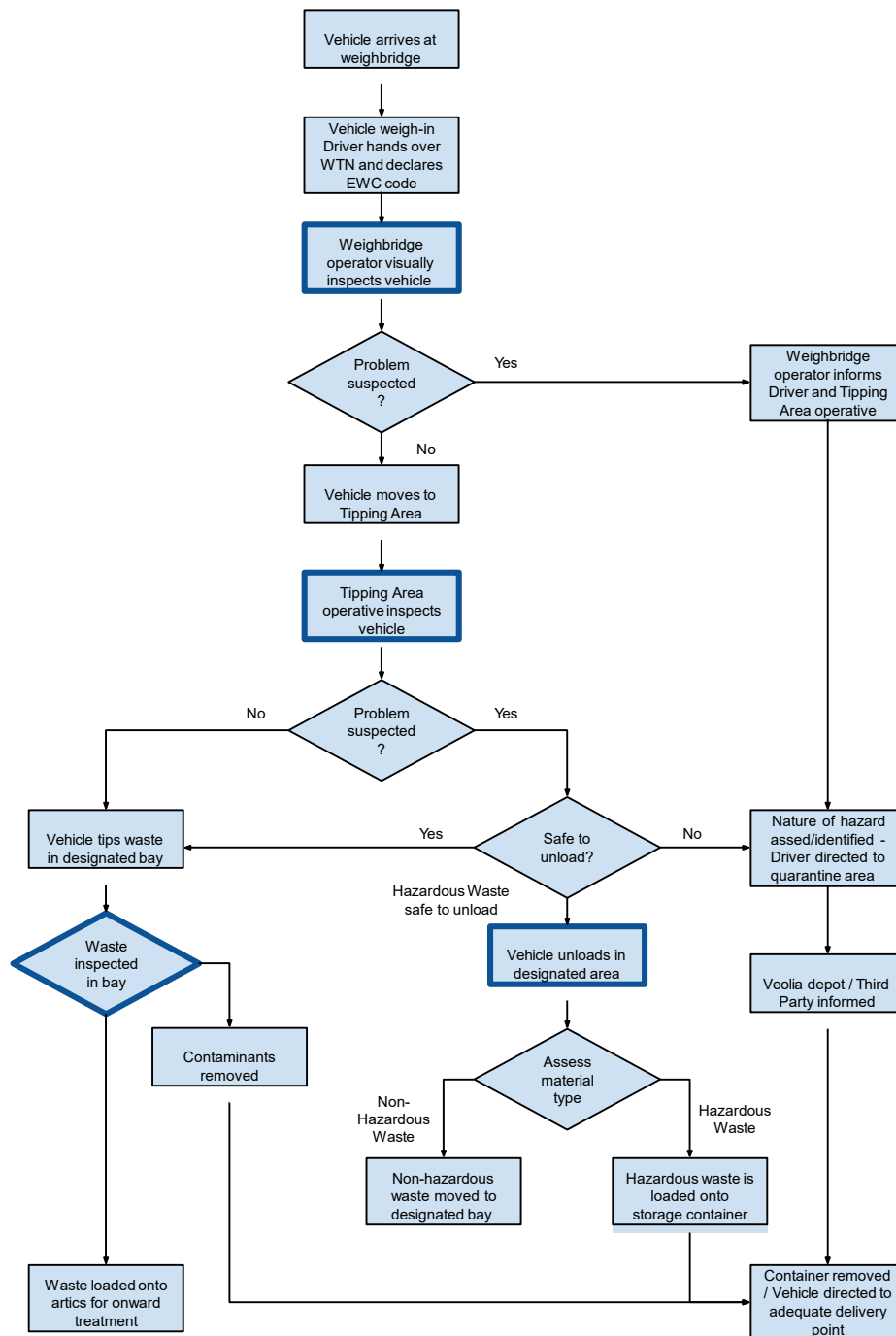 - Yes → Weighbridge operator informs Driver and Tipping Area operative
  - No → Vehicle moves to Tipping Area
- Tipping Area operative inspects vehicle
- Problem suspected ?
  - No → Vehicle tips waste in designated bay
    - Waste inspected in bay → Contaminants removed
    - Waste loaded onto artics for onward treatment
  - Yes → Safe to unload?
    - Yes → Vehicle tips waste in designated bay
    - Hazardous Waste safe to unload → Vehicle unloads in designated area
      - Assess material type
        - Non-Hazardous Waste → Non-hazardous waste moved to designated bay
        - Hazardous Waste → Hazardous waste is loaded onto storage container
      - Container removed / Vehicle directed to adequate delivery point
    - No → Nature of hazard assed/identified - Driver directed to quarantine area
      - Veolia depot / Third Party informed
      - Container removed / Vehicle directed to adequate delivery point

Veolia - Integrated Business Management System (BMS)

Veolia is covered by an integrated management system (BMS) that stipulates the procedures that must be undertaken and is designed to assist in meeting the objectives of the business covering the entire scope of Veolia's activities. The BMS is an electronic platform which allows documents to be available to an internal network. The structure of the BMS contains three tiers of documents:-

Tier 1 – Policy Statements and Management System Manual
Tier 2 – Company wide Processes and Procedures
Tier 3 – Documents specific to a Division or Contract

There are also lower tier documents such as site specific procedures and working instructions which are maintained at site level.

Veolia - Integrated BMS Certification

Certification

Veolia's Integrated Business Management System is certified to the following international standards:
- ISO 9001:2015 Quality Management Systems
- ISO 14001:2015 Environmental; Management Systems
- ISO 45001:2015 Occupational Health & Safety Management Systems
- ISO 22301:2012 Business Continuity Management System

Our compliance to these standards is independently verified and certified by external assessors from Lloyds Register (LR) who are a UKAS accredited certification body.

Over a 3 year period, our certification is tested by LR through audit. Findings are scrutinised and learnings identified and implemented across the organisation, ensuring continual improvement.
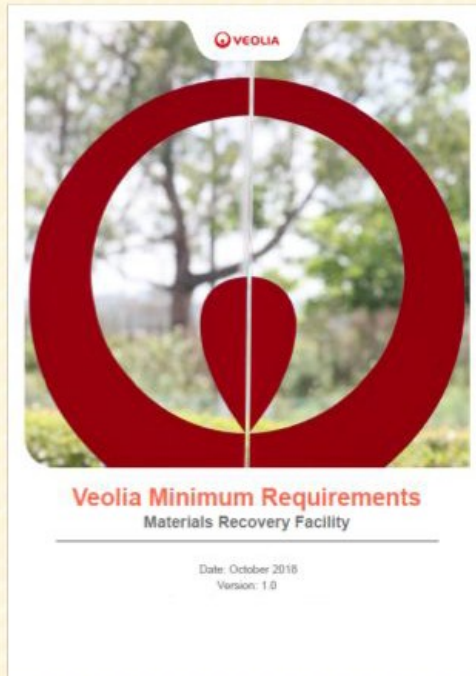
New contracts are incorporated into the certification process within 9-12 months.

Veolia Minimum Requirements (VMR)

Veolia Minimum Requirements (VMR)

THINKSAFE WORKSAFE HOMESAFE

Veolia Minimum Requirements
Materials Recovery Facility

Date: October 2018
Version: 1.0

What is a VMR?

One document for each operational activity (e.g. MRF, Waste Water Treatment, Hazardous Waste) containing all necessary controls that the site needs to follow to manage activity specific risks with links to relevant procedures on the BMS

Purpose:

Gives our managers to have a clear understanding of the requirements Veolia expects our operations to meet

Benefits:

- Clear, concise operational requirements, all in one place, supporting new and existing operations managers
- Assessment against the VMR provides assurance to the business that key controls are in place
- Provides links to the relevant procedures
- Provides a benchmark for acquisitions and guidance for new builds / developments
- Ensures a consistent approach and focus across the business

Vehicles

Refuse Collection Vehicle (RCV)

Euro 5 / Euro 6 vehicles
Payload: ~ 10 tonnes
Local commercial collections
Approx. 15 vehicles tipping twice a day

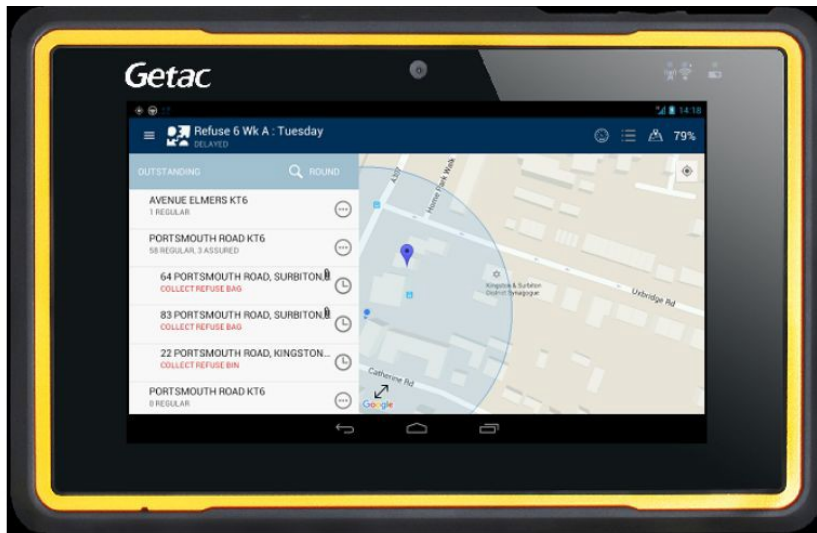**Articulated Vehicle (Artic)**

Euro 5 / Euro 6 vehicles
Payload: ~ 23 tonnes
Number of movements to be confirmed

Management of vehicles

- Compliance checks / audit of sub-contractors

- Authorised route provided to Veolia and third party drivers

- List of Authorised Vehicles (Veolia and third party vehicles)

- Veolia vehicles: tracking in real time

- Complaints: immediate action taken with Veolia Driver / Third party

Scheduling of waste deliveries

- Delivery hours:
  - Monday to Friday: 07:00 to 23:00 (except Christmas Day and New Year's Day)
  - Saturday: 07:00 to 20:00 for articulated vehicles that are registered in the weighbridge IT system and 07:00 to 16:00 for all other vehicles

- Based on waste requirements issued by the Operator (<u>maximum</u> daily tonnage: 2,900 tonnes)

- One dedicated Waste Manager scheduling articulated vehicles' movements from Veolia WTS and third party vehicles

- The objective is to optimise logistics to minimise movements and costs