

Site Deliveries

Document No: **IW-HSQE-SA-55**

Revision: 1

Approved By: Maura Kilcommons

1. What Happened?

To date in 2021 there have been 8 incidents relating to site deliveries across IW Operations and Assert Delivery sites/assets. 6 of these incidents have been classified as high potential incidents (HiPO's - an incident or event that under different circumstances, may have resulted in catastrophic loss, serious injury or fatality).

Overview of incidents:

1. An articulated truck transported a trailer load of sludge to a WWTP. A mechanical failure occurred when the trailer was tipping the load and as a result, the trailer dropped down at speed and force.
2. A trailer detached from a flatbed van while in motion in a depot yard.
3. *An Excavator overturned during a loading operation on to a low loader trailer.
4. An articulated truck load of stone was being delivered to a laydown area outside of working hours. (The crew were finished and had left site). The truck driver was tipping the load adjacent to a mobile welfare unit and during the tipping of the load, the truck overturned and crushed the welfare unit.
5. A water services vehicle was parked on an incline within a treatment plant; and rolled after the driver had alighted.
6. A beavertail flatbed truck that was being loaded onsite rolled backwards, after the driver had alighted and struck a teleporter. The impact of the truck and teleporter caused a precast junction box (size 1m x 1m x 1m and Approx. 400kg) to fall off the back of the flatbed truck.
7. A sludge trailer collided with a clarifier tank during a trailer change over. The trailer rolled from a parked position into a clarifier damaging a section of handrail, gear box and bridge scrapper.
8. A desludging tanker parked on top of the roof slab of a septic tank (due to restricted space on site) in order to gain access to empty it. The roof slab of the tank failed and suffered a partial collapse.

*the driver involved in this incident, fractured a bone in his thumb, there was no injuries

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sustained in any of the other incidents



Fig. 1: articulated truck overturned on welfare unit



Fig. 2: Sludge trailer collided with clarifier



Fig. 3: Excavator overturned during Loading

2. Immediate Actions

Irish Water have requested the Local Authorities & Delivery Partners involved to review all vehicle operations and controls and ensure the required checks/inspections are completed on all vehicles and plant.

3. Further Actions

- Ensure loading/unloading activities to sites are planned and supervised.
- Review accessibility and offload capacity of delivery location (may require restricting the size of vehicle allow to site).
- Ensure a suitable working space for all vehicles/ machinery on site/asset. Provide exclusion zones for machinery/vehicles and pedestrians. Where physical exclusion zone cannot be provided, ensure a system is implemented to manage interaction between plant and pedestrians.
- Develop and enforce a delivery procedure for asset/site.
- Assess/procure a competent transporter/contractor to undertake works.
- Ensure competent personnel complete the required daily vehicle/equipment checks and inspections as per own site procedures

SAFETY ALERT



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- All vehicles travelling on the roads should be roadworthy and have the necessary roadworthiness certifications

4. Further Information

For further information on this safety alert please contact hsqe@water.ie

5. Distribution list

Internal		
Asset Operations <input checked="" type="checkbox"/>	Asset Delivery <input checked="" type="checkbox"/>	Asset Management <input checked="" type="checkbox"/>
All IW Staff <input checked="" type="checkbox"/>		
Other Please Specify _____		

External		
Local Authority <input checked="" type="checkbox"/>	DBO <input checked="" type="checkbox"/>	Resident Engineers <input checked="" type="checkbox"/>
All Asset Delivery Contractors <input checked="" type="checkbox"/>		
Other Please Specify _Plant and machinery Framework_____		