The Environment Agency has issued a discharge consent for the saline discharge. They have specified the following standards:

- The plume concentration should not exceed 40 parts per thousand (ppt) salinity at 50 metres from the discharge.
- The salinity should not exceed 10% over ambient at 500 metres from the discharge.
- The plume should not impact upon the local shoreline or upon Morecambe Bay.

Discharge modelling has demonstrated:

- The plume concentration of 40 ppt would be achieved at 50m from the discharge with the possible exception of 1-2 hours at low water slack on spring tides where it would reach 40 ppt at 60m. The probability of maximum discharge load is considered very low as the washing process is unlikely to produce the theoretical peak concentration and the washing process could be managed to avoid this situation.
- A salinity of above 10% of ambient salinity can be achieved within 250 metres of discharge.
- The impacts upon the shoreline and Morecambe Bay are negligible and within normal (natural) spatial and temporal variations within the area.

Following cessation of discharge water would be expected to return to normal within a short period of time.

Drawing is for illustrative purposes only – details are provided in the marine dispersion modelling report.