

Effluent Overflow Issues

Since the incident in November 2012 when the effluent sump and balance tank overflowed due to excessive rainfall we have introduced the following measures.

To resolve the issue we have installed an additional pump (Fig 1) that activates when the sump reaches a level of 55%, the two main pumps operate at 100% when the sump reaches a level of 70% we have reduced the level parameter to 40% to run the pumps at 100% this will reduce the risk of overflowing.

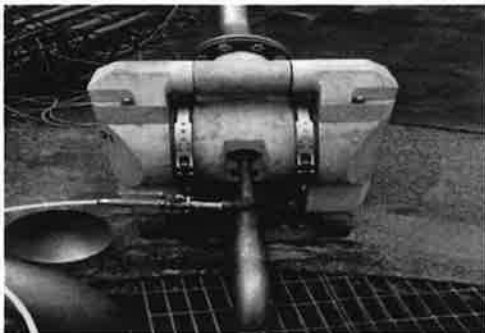


Fig 1

During the morning clean down period the volumes to the effluent have been further reduced by means of holding all processing clean down water in a 100 k/l tank and released later in the day when the volumes are lower in the effluent, we have also reduced water usage on site by installing level controls on the cooling towers and reducing water on the evaporator vacuum pumps.

The receiving sump and main balance tank are now fitted with high level alarms that operate at 90%, this will alert operators of the effluent to the danger. We have also fitted an enclosure around the balance tank overflow pipe to prevent any fat balls from overflowing into the WW discharge line.

We have carried out a risk assessment on current foul drain locations and with the associated risk from processes in close proximity we are to leave these in place. We are looking at the locations of groundwater runoff that goes to foul water drains and propose to divert this water to the surface water drains if feasible.

	INITIALS	DATE
OK FOR PUBLIC REGISTER	EV	24.6.13
CORRECTED TO PUBLIC REGISTER	JB	EORM