

PROTECTING THE ENVIRONMENT BY HELPING A DAIRY FACTORY MANAGE INDUSTRIAL SPILLS

"Gromit, everybody knows the moon is made of cheese..." - Wallace

Industry
Manufacturing

Sector
Food & Beverage

Segment
Waste Water



Project

The client is one of the top ten dairy processors in the world and has multiple manufacturing facilities in Australia. Due to the size and location of one of its facilities a significant amount of run-off was experienced during a rainfall event. Run-off entered the site stormwater network and was discharged via existing stormwater outlets directly into a local river.

The client had a target of zero contaminant discharge from the site so in the event of an industrial spill they were concerned the spill could enter the stormwater network, resulting in an uncontrolled discharge to the river. To mitigate the risk the client decided to build a new stormwater diversion system to divert spills to an onsite storage lagoon for treatment.

Cromarty were engaged to manage the electrical component of the project.

Solution

The stormwater diversion system included the construction of two new stormwater pits and an interceptor. Incoming stormwater flow was to be analysed at each point and diverted to the lagoon for treatment if a spill was detected.

Cromarty's role was to:

- Finalise the electrical design
- Design and build 3 stormwater control panels for the Northern Pit, Central Pit and Southern Interceptor
- Configure the instrumentation
- Undertake the project automation works
- Conduct the project SCADA works
- Manage the electrical and communications installation



Outcome

The project was completed successfully taking approximately 9 months to complete. It was delivered to specification and has successfully prevented a number of spills from being discharged into the river.