

STAFF REPORT

TO: Chairman and Members, Engineering Services Committee
FROM: Steve Elkington, Asset Engineer Roads
DATE: 11 March 2008
SUBJECT: **MURCHISON STOCK EFFLUENT FACILITY REPORT**

1 PURPOSE

To report on the Murchison Stock Effluent Facility's usage and operational issues.

2 BACKGROUND

The effluent facility was constructed and commissioned last year 2007, and started operating in June 2007.

3 COMMENT

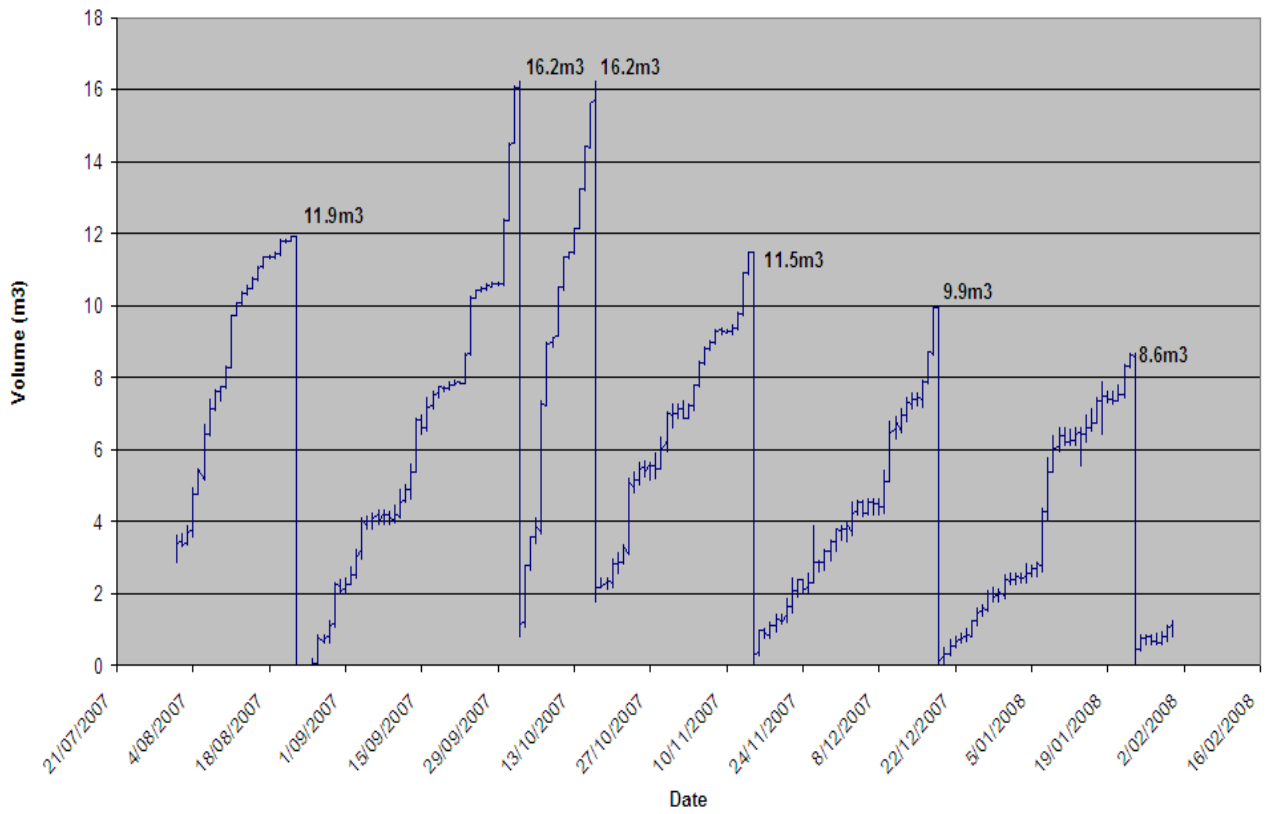
The facility has been operating for approximately eight months without incident. The only issues of note in this time concerned the sensor that monitors the effluent holding tank which required repair, and a high pressure water blaster that was purchased to clean down the facility by the contractor Downer EDi Works. The on-site water pressure is low and hence is only suitable for hosing down fresh spillage at the time of dumping.

The graph over shows the volume build-up in the tanks and at what volume the tanks were emptied. At this stage no complaints have been received regarding the smell from the tanks.

The data below shows usage peaking around early October 2007. Significant volumes also entered the tanks in early January 2008, when Talleys Fisheries Limited was permitted to discharge water from melted ice from truck holding tanks into the facility.

To the end of January 2008, the operating cost over the last 6 monthly period is approximately \$27,000. The cost of operating the facility is subsidised by Land Transport NZ under its Environmental Maintenance Category by 49%.

Murchison Stock Effluent Levels



4 RECOMMENDATION

THAT this report be received.

Steve Elkington
Asset Engineer Roads