QLD Sedimentation and Evaporation Pond System (SEP’s) Trial

Investigators: Mr Alan Skerman, QLD DAFF

Purpose:
• To investigate the feasibility of using SEP’s (2–3 parallel long, narrow, trafficable earthen channels) to treat piggery effluent and manage solids in the summer dominant rainfall area of Southern (Sth) QLD/Northern (Nth) NSW.

Take home messages:
• There is no valid reason for restricting the wider adoption of SEP’s in Sth QLD and Nth NSW
• Timely rotation of the channels and solids removal is required as it may be an issue during seasons with higher than average rainfall
• Reduction of total solids, volatile solids, Nitrogen, Phosphorus and Potassium in this study was similar in performance to that recorded for SEP’s previously constructed in NSW and WA
• Odour emissions were very similar to previously recorded in Sth NSW and overall emissions likely to be less than conventional ponds due to smaller surface area.

Additional information:
• Click here to view the full report
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