

Trial – Basset Barks Composting Facility (Glass House Mountains, Queensland)

The Basset Bark Composting Facility is a large composting facility located in the Glass House Mountains, Queensland. In 2004, the Facility was one of the largest in Queensland with a turnover of 400,000 tonnes of bark, wood chips and chicken manure per annum. The onsite storm water containment pond (8-9 megalitres) became significantly contaminated with runoff from the above wastes, which was odorous and developed a thick crust on top of it.

On the 18th March 2004 the pond was treated with BioAktiv (BA) for Liquid Manure. The pond was treated at a rate of approximately 1 kg of BA for Liquid Manure per 100 m³ of pond water (~80 kg). Of this 75% of the dissolved BA solution (dissolved at a rate of 200L of freshwater per 1kg of BA for Liquid Manure) was injected into the depth of the pond at different locations and 25% was spray over the surface of the pond. It should be noted that the entire surface of the pond could not be sprayed due to the lack of pressure in the hose, and therefore the middle of the pond was missed.

After several hours small bubbles were observed and 48 hours later the water quality in the pond was significantly improved. The Manager of the Facility reported a drastic reduction in odour proliferation and the pond's surface was cleared of scum, which was her main concern.

The photos below outline the improvement in the water quality of the pond:

Figures 1-4:
Pond during treatment with BioAktiv for Liquid Manure
(midday 18 March 2004)



Figures 5-8:
Pond 48 hours after treatment
(midday 20 March 2004)





References

- BioAktiv GmbH, 2009. *Product Information BioAktiv for Liquid Manure*, Würchwitz, Germany: BioAktiv GmbH.
- Seeto, D., 2009. Basset Trial (Dam No. 4) - Treatment BioAktiv Manure. In: *Product Information for Liquid Manure*. Würchwitz, Germany: BioAktiv GmbH, pp. 9-10.