



Friday 14th July 2023

Update on Improvement Works at Bush's Proteins, Protein Recovery Facility at Riverstone

Dear Local Resident,

Brooks Community Engagement has been appointed by Bush's Proteins to oversee communications and engage with the community regarding their Protein Recovery facility in Riverstone.

Bush's Proteins, an Australian family-owned company, has been an integral part of the Riverstone community since 1953, currently led by the fourth generation of the Bush family. Their Riverstone Protein Recovery facility plays a vital role in Australia's circular economy by transforming animal by-products into high-quality protein meals and tallow. These commodities are key ingredients in animal feed, pet food, renewable fuels and oleo chemicals. Without Protein Recovery, valuable protein and nutrient rich material would be wasted via other disposal methods.

In addition to their contributions to the local economy, Bush's Proteins takes great pride in offering employment opportunities to the community. They also actively provide internships, apprenticeships, and work placements for young professionals seeking to launch their careers.

Given the volume of new residents surrounding the site, it has come to our attention that many individuals remain unaware of Bush's Proteins' operations and the crucial sustainability and protein recovery work undertaken by the company. We are more than happy to provide you with additional information or meet with you to discuss.

Improvement Works completed in 2023

In April 2023 we provided communication about improvement works that Bush's Proteins have been conducting on site.

Stage 1 included aeration to the ponds to increase oxygen levels resulting in the elimination of odours. The ponds surrounding the protein recovery facility at Bush's Proteins serve a crucial role in the overall operational process and environmental management. These ponds are specifically designed to facilitate the treatment and processing of wastewater generated during the protein recovery operations.

Stage 2 included installing additional point source extraction ducting in process lines to enhance existing odour treatment infrastructure. The process of recovering proteins and oils from animal by-products involves a cooking stage at high temperatures, the process can result in the release of some localised cooking odours.

We are pleased to inform you that both Stage 1 and Stage 2 have been successfully implemented. Bush's Proteins remain dedicated to ongoing equipment monitoring and assessment, ensuring optimal odour control through efficient filtration and the sustained health of the ponds. Please see below additional information regarding the recent improvement works.

Improvement Works	Area of works	Intended benefits	Installed timing
Installation of Gorman Rupp Pump	Covered Anaerobic Pond	Increased production of biogas. Improvement in operation of wastewater treatment plant.	July/August 2023
Replaced Media in the bio filter	Feather Bio Filter	Maintain and ensure the efficiency of the bio filter.	June 2023
Dosing ponds with magnesium and hydroxide and ferrous chloride	Covered anaerobic ponds	Improve the health of the ponds and increase the biogas production which is used onsite to reduce dependency on fossil fuels and reduces release of greenhouse gases to the environment.	June 2023
Point Source Extraction	Poultry plant	Extension and enhancement of current pollution control system.	May 2023
Installation of Gorman Rupp Aerator	Pond	Increase in oxygen levels in the pond, promoting water movement and surface agitation, improving the health of the pond resulting in elimination of odours.	Feb 2023
Installed Tsurumi large aerator	Pond	Increase in oxygen levels in the pond, promoting water movement and surface agitation, improving the health of the pond resulting in the elimination of odour.	December 2022

We greatly appreciate all feedback. Please feel free to contact us to ask questions or get more information. All feedback will be anonymous and private details kept confidential.

Kind regards,

BROOKS Community Engagement Team

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