ATTACHEMENT NO. A.1

NON TECHNICAL SUMMARY

Non-Technical Summary.

The existing facility has a current Licence No. P0790-02 for a 600 place integrated sow unit. The Licence was granted to Mr Tom O' Brien originally, the Licence was transferred in 2016 to his brother Mr Eoin O' Brien. The review of the Licence is being requested to allow for the increase to a 1500 place integrated sow unit and associated new buildings to cater for the increased places.

The pig production unit proposed in this application will consist of an integrated pig farm with 1,500 places for sows. Under the First Schedule to the EPA Act 1992, as amended the class of activity is as follows:

Class	Description
6.2	The rearing of pigs in an installation where the capacity exceeds (a) 750 places for sows or (b) 2,000 places for production pigs which are each over 30kg.

Planning permission has been granted for the proposed development by Cork County Council and An Bord Pleanala. An Environmental Impact Statement is being included with this application.

The development will involve both the removal of existing dated pig accommodation and the construction of new modern more energy efficient housing and also the installation of more efficient modern equipment in the new buildings. All pig production at the site will take place indoors. All of the proposed new buildings and equipment will incorporate Best Available Technique for the pig industry. The proposed installation will contribute to Government targets for the pig industry as set out in Food Harvest 2020 by both contributing to the economic output of the pig industry and by providing increased employment in the sector.

A pig production unit has been in existence at the site of the proposed development for many years. There have never been any complaints regarding odour, noise or dust emissions from the site.

Storm water and groundwater samples from the existing site are taken regularly and results from their laboratory analysis are within the allowed parameters. Water sample results are retained on file and submitted to the Agency as part of the Annual Environmental Report.

The main activity that will be carried out at the site is the breeding and rearing of pigs for meat production. The proposed development will be managed as a high health minimal disease unit with a focus on delivering high standards of animal welfare. The herd will be managed as a closed herd *i.e.* no animals will be moved on to the site from other farms, all animals at the installation will be home bred, the only movement of pigs from the installation will be the transport of pigs for sale to the pork factory.

All of the required animal feed will be delivered to the site as there is no mill on site. Pig diets will be formulated by professional animal nutritionists with the objective of meeting the animals' nutritional requirements while keeping nutrient emissions to a minimum.

The staff employed at the installation will carry out routine animal husbandry practices inside the buildings on site. The other activities that will be carried out at the site will include the delivery of feed to the installation and the transport of pigs from the installation to the pork factory. Pig manure will also be transported from the site during these hours (between 12th January & 15th October a set out on S.I. No 31 of 2014). Pig manure will be applied to the lands of farmers in the locality for use as an organic fertiliser to replace imported chemical fertilisers. The application of pig manure will also contribute to the maintenance of soil organic matter as is required by the Department of Agriculture, Fisheries and Food.

The materials that will be used in the management of the pig farm will include pig ration, water and medicines such as vaccines, anthelmintics and antibiotics.
The mineral iron will be administered to young piglets and reproductive hormones may be used on breeding sows if required.

Detergents and disinfectants will be used to clean vacated houses as part of the routine management of the minimal disease unit. Rodenticide bait will also be placed at designated bait points on the site and details will be recorded on an onsite register.

Electricity will be used at the installation to power the automated wet feed system in order to mix the pig rations with water and then to deliver them via pipeline to the feeding stations. Electricity will also power the lighting system and part of the ventilation system as natural ventilation will be used instead of mechanical ventilation where possible. Staff on site will also use electricity for power washing vacated houses and to agitate and pump pig manure for removal to customer farms.

Heating oil will also be used power the heating system for new born piglets. Energy efficiency will be achieved by the construction of modern well insulated buildings and by the installation of modern energy efficient equipment and by using natural ventilation where possible. Energy conservation will form part of the onsite staff training programme.

The wastes that will be produced at the installation include animal tissue, used needles, empty medicine containers, used fluorescent lights and domestic waste. The former two wastes will be removed from the site by specialist licensed contractors and will be minimised due to the management of the installation as a minimum disease unit. Empty medicine bottles will be removed to a recycling centre, used fluorescent light tubes will be stored in a designated container and delivered to a recycling centre. Domestic waste that cannot be recycled will be removed to landfill be a licensed waste disposal company.

Storm water emissions from the site will be directed to two existing soakways. A storm water monitoring point SW1 will be provided and the storm water system will be regularly inspected and observations will be recorded on the site register. Water samples from the monitoring chambers will be taken quarterly and will be analysed for Chemical Oxygen Demand.

Dust emissions on the site will be minimised by the delivery of feed to the installation in covered lorries and the subsequent transport of the feed around the installation in an enclosed system of tanks and pipelines. This is the system being used on the site at present and there have never been any complaints of dust emissions from the site.

The main source of noise on a pig unit is from the animals themselves during feeding time. Noise emissions will be prevented through the construction of new modern well insulated animal housing. In addition to this a landscaped earthen berm will be constructed around the site to provide a topographical obstruction to

sound waves thus preventing noise emissions from the site. There have been no complaints of noise emissions from the existing installation.

An odour management plan has been put in place to manage odour emissions. Pig diets will be professionally formulated to reduce odour emissions. Houses are routinely disinfected, power washed to prevent the build-up of odour and the houses are provided with a modern computerised ventilation system. Animal tissue waste will be stored in designated sealed skips to prevent odour emissions. There have been no complaints regarding odour from the present site.

Accident prevention and an emergency response programme are in place at the installation and are incorporated into the onsite staff training. These practices will be continued in the proposed installation. The oil and diesel fuel tanks on site will be bunded.

In the unlikely event of the definitive cessation of activities at the site all stock would be sold to either the pork processing factory or to other pig farms. All wastes on site would be removed by licensed contractors, unused fuel, feed and medicines would be returned to their respective suppliers. All pig manure would be removed and applied as organic fertiliser to farm lands in compliance with Statutory Instrument No. 31 of 2014. The site would then be secured and allowed remain posing no environmental treat. This scenario is unlikely to occur due to the large capital investment for the proposed works and due to the applicant being a young trained farmer who is committed to the industry.