

ENVIRONMENTAL SERVICES

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Environmental Management Systems



- ← An Environmental Management System (EMS) is an essential document for responsible environmental management of a meat processing plant and covers the environmental aspects of all areas of your business.
- ← An EMS typically includes, for example, procedures for emergency preparedness and contingency planning, training, non-conformance procedures, environmental risks and control strategies.
- ← All of the tasks in the EMS are provided to you as a convenient timetable, enabling you to easily keep on track with your environmental management tasks.

Action

check treatment systems
download weather station
crop tissue analysis
daily soil moisture
daily irrigation records
water levels in all boreholes

January				February				March				
1	2	3	4	1	2	3	4	1	2	3	4	5
Red		Red		Red		Red		Red		Red		Red
			Green				Green					Green
Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red
Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red
		Green										



Environment Protection Authority Licensing



← Monitoring

- ← ProAnd can interpret the monitoring requirements of your EPA licence and produce a comprehensive action plan enabling you to see at a glance what tasks need to be accomplished each month in order for your plant remain compliant with your licence requirements.

← Record Keeping & Interpretation

- ← We can then keep records of your monitoring results and check them for unexpected trends enabling any problems to be dealt with expediently.

← Reporting

- ← ProAnd can produce any reports required by your EPA licence, including the Annual Return and any documentation required should your licence be reviewed.

← Liaison

- ← ProAnd is experienced in liaising with the EPA and other regulatory bodies on your behalf, resulting in minimal disruption to your business in the event of meetings or inspections etc.



Environmental Impact Statements



- ← ProAnd has prepared several Environmental Impact Statements (EIS) and Statements of Environmental Effect (SEE) for meat plant upgrades and redevelopments.
- ← These documents examine the potential impacts of the proposed development on all aspects of the environment - soils, air, surface water, ground water, visual, social etc.
- ← ProAnd follows the approval process through submission, public consultation etc until final approval is given by development authorities.
- ← ProAnd has numerous contacts to enable specialist studies of noise issues, traffic, odour measurement, geotechnical issues etc to be completed. Thus ProAnd is able to offer a comprehensive service, meeting all the requirements of an EIS or SEE.

Environmental Modelling



← AUSPLUME -- Air Quality Modelling

- ← ProAnd is experienced in the use of AUSPLUME - the approved model for prediction of odour and air quality impacts.
- ← We can produce models of your plants odour impacts and suggest methods for their improvement.

← MEDLI -- Effluent Irrigation Modelling

- ← MEDLI models the outcomes of effluent irrigation on an area of land.
- ← ProAnd is also experienced with this model and can produce recommended irrigation procedures to enable sustainable land management.





Environmental Risk Assessment



- ← ProAnd is experienced in providing environmental risk assessments to the meat industry. This can be included as part of an Environmental Management System or conducted as a separate study.
- ← Every step of the process is examined to consider its potential environmental impact in terms of air quality, solid wastes, waste water etc.
- ← The risk assessment process can then be used to identify Environmental Critical Control Points. This helps to enable easy control of your environmental risks. ProAnd can provide assistance throughout this process.
- ← ProAnd can also audit your risk assessment regularly to ensure that your environmental management and control procedures remain as up to date as possible.

Biofiltration

- ← Biofiltration is a commonly used method of odour control in the meat industry.
 - ← Biofiltration uses microorganisms on the surface of a substrate to break down the odorous compounds by microbial activity.
- ← ProAnd is experienced in the design and best practice management of biofilters and can assist you with all aspects of maintaining yours to ensure it is providing the best level of odour control possible.

Day-to-Day Environmental Management



- ← The characteristic high chemical and biological loads in meat industry wastes present unique challenges that require specialist knowledge. ProAnd is experienced in dealing with these challenges and is able to assist you with any environmental issues that may arise in the day-to-day running of your plant.
- ← ProAnd is also able to assist with any environmental reporting requirements that may arise, for example National Pollutant Inventory reporting.

