

Sample Objective and Targets Table

Environmental Policy/Aspect Item	Specific Environmental Impact	Objective	Target	Performance Indicator	Program	Time Frame	Responsible Party	Status Comments
Following best management practice; effluent application	Potential ponding reducing crop growth, slower soil absorption	Shape fields	Shape 2 fields by 12/1/02	Completion of work/observation after rain event	Following bean harvest, disc field	11/02	Farm Laborer	
					Land plane field	11/02	Farm Laborer	
Following best management practice; effluent application	Over application due to operator error	Install tachometer	Install 2 tachometers by 3/31/02	Proper installation and functioning of equipment	Purchase tachometer	3/02	Farm Mgr.	
					Install tachometer	3/02	Farm Laborer	
					Tested operation, compared to duplicate engine	3/02	Farm Mgr & Laborer	
Following best management practice; effluent application	Over application due to operator error	Install travel guide markers	Install line markers (travel guide) on all fields by 3/31/02	Presence of markers in field	Purchase landscaping posts, painted top 24 inches in orange	3/02	Farm Mgr & Laborer	
					Measured distance on each field to determine center point	3/02	Farm Mgr & Laborer	
					Using post hole diggers, prepare hole, install posts	3/02	Farm Laborer	
					Compact soil	3/02	Farm Laborer	
Following best management, farm infrastructure	Abnormal propane use, spill or leak	Install protective guard	Install protective guard by 2/28/02	Presence of post	Purchase landscape timber	3/02	Farm Manager	
					painted	3/02	Farm Laborer	
					installed	3/02	Farm Laborer	
Following best management practice, farm infrastructure	under or over application due to reel system malfunction	Install boom attachment to ensure peak crop performance	Install 2 boom attachments by 3/01/02	Proper installation of equipment	Purchase first boom and installed	4/02	Farm Mgr & Laborer	
					Supplier tested installation and functioning	4/02	Supplier	

Environmental Policy/Aspect Item	Specific Environmental Impact	Objective	Target	Performance Indicator	Program	Time Frame	Responsible Party	Status Comments
					Purchase second boom and install	3/03	Farm Mgr & Laborer	
					Supplier test installation and functioning	3/03	Supplier	
Pollution prevention/Mechanical ventilation malfunction	Disposal of carcasses; Solid waste, energy usage	Weatherproof hired-hand on curtains to ensure functions properly	Weatherproof "hired-hand" by 05/03	Visual	Determine area to be weather proofed Determine materials needed and purchase	4/03	Farm Manager	
					Construct weather proofing 'box'	4/03	Farm Laborer	
					Test effectiveness	5/03	Farm Manager	
Pollution prevention/excessive rain; Vector control	Water pollution	Reduce wastewater runoff, erosion, and pesticide use	Install erosion control materials by 7/03	% reduction of pesticides used; Visual inspection of runoff and erosion	Identify areas where controls needed and materials to be used	6/03	Farm Manager & Laborer	
					Apply material around drip area of houses (rock etc.)	6/03	Farm Laborer	
					Install french drains on houses	7/03	Contractor	
					Apply end-run to slopes in front of houses & adjacent ditch slopes & road surface	7/03	Contractor	
Pollution prevention/Servicing vehicle cooling system	Water pollution, solid waste, soil contamination	Research recycling options for used antifreeze	Identify antifreeze recycler by 5/02	Quarts of antifreeze recycled	Collect antifreeze for recycling	5/02	Farm Manager & Laborer	

Environmental Policy/Aspect Item	Specific Environmental Impact	Objective	Target	Performance Indicator	Program	Time Frame	Responsible Party	Status Comments
Complying with regulations, continual improvement; sludge application	Excess sludge accumulation; odor	Remove excess sludge to create more treatment volume, reduce potential odor	Remove maximum amount of sludge to meet crop needs based on realistic yield expectations for that field soil	Millions of gallons hauled; N/acre/soil type and crop need (RYE)	Contact farm owner for permission	2/02	Farm Manager	
					Analyze sludge, review soil type for specified crop, calculate application quantity	3/02	Farm Manager	
					Purchased honey wagon	3/02	Farm Manager	
					Completed certified waste plan, removed sludge and applied Complete sludge application records	3/02-5/02	Farm Manager	Maintained records during application (IRR 1 and 2)
Following best management practice, conserving resources; building cleaning	Reducing lagoon loading, consumption of groundwater	Convert to using recycle water in breeding barn	Install recycle water pipe to breeding barn by 5/02	Decreased use of groundwater	Install 2 inch PVC pipe	5/02	Farm Laborer	
					Connect to lagoon wash water line	5/02	Farm Laborer	

Environmental Policy/Aspect Item	Specific Environmental Impact	Objective	Target	Performance Indicator	Program	Time Frame	Responsible Party	Status Comments
Prevention of pollution / Animal waste washout (Farrowing / Breeding / Gestation)	Lagoon pollutant loading	Reduce pollutant loading on lagoon through reduced feed consumption	Reduce feed consumption per pig by ?% by December 31, 2002	Feed consumption data, lbs/pig	Install Viaqua system	11/01-12/01	Owner	Completed
					Monitor feed consumption	1/02-12/02	Owner	Completed
Animal Waste (Farrowing / Breeding / Gestation / Gilt Developer)	Human / animal health (ammonia)	Reduce ammonia levels in pit areas through improved scheduling of pit pulling	Develop pit pulling procedure and train 100% of affect personnel by 4/30/02	Completed procedure / % of trained personnel	Determine schedule of pulling pits	1/02-3/02	Owner	Completed
					Develop procedure	3/02-4/02	Owner	Completed
					Translate into Spanish	3/02-6/02	Owner	Completed
					Train affected personnel	6/02-8/02	Owner	Completed
Water usage (Farrowing)	Water supply consumption	Reduce excess water use through improved worker education	Develop farrowing area cleaning procedure and train 100% of affect personnel by 4/30/02	Completed procedure / % of trained personnel	Determine proper cleaning method	1/02-3/02	Owner	Completed
					Develop procedure	3/02-4/02	Owner	Completed
					Translate into Spanish	3/02-6/02	Owner	Completed
					Train affected personnel	6/02-8/02	Owner	Completed
Prevention of Pollution / DC&R usage (Farrowing)	Destruction of lagoon microorganisms	Evaluate reducing impact of DC&R through improved use efficiency	Study use of alternative application system to apply DC&R by 6/30/02	Results of study	Rent misting application system	5/02-6/02	Owner	Completed
					Assess +/- of system	6/02-7/02	Owner	Completed
					Decision on purchase of system	7/02-8/02	Owner	Completed
Heating lamp / ventilation (Farrowing / Gilt Developer)	Animal health / electricity	Improve lamp & fan reliability and efficiency through improved worker education and maintenance	Develop lamp/fan procedure / maintenance schedule and train 100% of affect personnel by 4/30/02	Completed procedure / % of trained personnel	Determine maintenance schedule and operating instructions	1/02-3/02	Owner	Completed
					Develop procedure	3/02-4/02	Owner	Completed
					Translate into Spanish	3/02-6/02	Owner	Completed
					Train affected personnel	6/02-8/02	Owner	Completed
Cool cell cooling (Farrowing / Breeding / Gestation)	Water supply	Evaluate opportunities for improving water use efficiency in cool cells	Identify and evaluate opportunities by 6/29/02	Result of evaluation	Identify problem areas	6/02-7/02	Owner	Completed
					Identify alternatives	7/02-8/02	Owner	Completed
					Assess +/- of alternatives	8/02-9/02	Owner	Completed
					Decision on implementation	9/02-10/02	Owner	Completed

Environmental Policy/Aspect Item	Specific Environmental Impact	Objective	Target	Performance Indicator	Program	Time Frame	Responsible Party	Status Comments
Cool cell cooling (Farrowing / Breeding / Gestation)	Water supply	Improve maintenance and operation of cool cell system to improve efficiency	Develop cool cell procedure / maintenance schedule and train 100% of affect personnel by 4/30/02	Completed procedure / % of trained personnel	Determine maintenance schedule and operating instructions	1/02-3/02	Owner	Completed
					Develop procedure	3/02-4/02	Owner	Completed
					Translate into Spanish	3/02-6/02	Owner	Completed
					Train affected personnel	6/02-8/02	Owner	Completed
Drinking water use / loss	Water supply / lagoon volume	Improve maintenance of nipple system	Develop nipple care procedure / maintenance schedule and train 100% of affect personnel by 4/30/02	Completed procedure / % of trained personnel	Determine maintenance schedule and care instructions	1/02-3/02	Owner	Completed
					Develop procedure	3/02-4/02	Owner	Completed
					Translate into Spanish	3/02-6/02	Owner	Completed
					Train affected personnel	6/02-8/02	Owner	Completed
Generator	Animal health	Increase reliability of generator	Develop generator care procedure / maintenance schedule and train 100% of affect personnel by 4/30/02	Completed procedure / % of trained personnel	Determine maintenance schedule and care instructions	1/02-3/02	Owner	Completed
					Develop procedure	3/02-4/02	Owner	Completed
					Translate into Spanish	3/02-6/02	Owner	Completed
					Train affected personnel	6/02-8/02	Owner	Completed
Disease	Animal health	Reduce potential spread of disease through proper handling of corpses	Develop corpse handling procedure and train 100% of affected personnel by 4/30/02	Completed procedure / % of trained personnel	Determine proper method for corpse handling	1/02-3/02	Owner	Completed
					Develop procedure	3/02-4/02	Owner	Completed
					Translate into Spanish	3/02-6/02	Owner	Completed
					Train affected personnel	6/02-8/02	Owner	Completed
Lagoon wastewater / Spraying waste	Water / soil / groundwater contamination	Maintain effective waste management system	Review current waste management plan and incorporate into EMS 6/30/02	Incorporation of plan into EMS	Review / update waste management plan	1/02-5/02	Owner	Completed
					Incorporate into EMS	5/02-6/02	Owner	Completed