

Idavang (#30781), Environmental and Social Action Plan (ESAP)
April 18, 2011

	Environmental or Social Issue	Corrective Actions Required	Timetable Milestones/Events
	Social and Environmental Assessment and Management Systems		
1	Corporate EMS / OHS / HR policies and statements are needed.	Idavang has a well functioning and elaborate set of internal policies, procedures and instructions covering EMS / OHS / HR standards. These are however mostly at the country level and Idavang therefore needs to harmonize these for Corporate level application to ensure the continued consistent operation throughout a growing organization.	Idavang to prepare the full set of corporate Policies and procedures, based on the current country specific documents, for Board discussion and approval by November 2011. The Policies should thereafter be translated into the relevant languages and adopted by the two operational country organizations.
2	The Environmental and Social Management Systems (E&SMS) shall ensure a continued operation for all farms consistent with local regulations and IFC's performance standards.	The current eight farms located spread over Lithuania and one located near St Petersburg in Russian Federation were acquired by the take over and revitalizing of existing farm structures. These farms have all been upgraded to fully comply with local regulation and EU IPPC standards for pig production. In Lithuania the company employs an environmental officer who, in consultation with the animal production manager prepares specific (Lithuanian language) instructions covering operational functions as these functions are identified. In Russia the company employs an environmental officer who, in consultation with the animal production manager prepares specific (Russian language) instructions covering operational functions as these functions are identified. Corporate ToRs to specify the responsibilities of these officers, including reporting lines needs to be coordinated.	Prepare and deliver ToR for the environmental officer specifying duties, and reporting lines for event types by November 2011.
3	The Occupational Health and Safety Management Systems (OH&SMS) which is under the supervision of the animal production manager, the crop production manager, and the environmental officer shall ensure a continued operational consistent with local regulations and IFC's performance standards.	While the Idavang has specific safety instructions for operational functions prepared in dual language (Lithuanian, Russian and English) and posted in relevant spots, as well as given directly to employees, it is not clear who has corporate and country specific responsibility of ensuring all instructions are prepared and implemented. As the organization expands, there is a need to formalize the responsibilities and prepare clear lines of duties to ensure extensive OHS training and to record unsafe actions and ensure corrective measures are taken to prevent their recurrence.	Prepare and deliver ToR for all members of the safety organization specifying duties, and reporting lines for event types by November 2011.

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	Labor & working conditions and project affected stakeholders		
4	A Human Resource (HR) policy and principle statement ensuring adherence to local regulations as well as ILO core labor standards as defined in Performance Standard 2 is needed.	Idavang's management team will develop Human Resource (HR) policies and principles ensuring continued adherence to local regulations as well as ILO core labor standards as defined in IFC's PS2.	To be documented at corporate level by November 2011, and at country level three months later.
	Pollution prevention and abatement		
5	Modern state-of-the-art production principles are used in the crop production at the new Idavang facility near Pskov; this includes pesticide and fertilizer management and application in accordance with EU principles and local regulations, including the avoidance of WHO 1a and 1b substances.	Idavang crop production manager will ensure that only EU approved pesticides and fertilizers are used and in accordance with the relevant application guidelines. This includes enforcement of relevant non-application zones around drainage and water channels to prevent waterway contamination.	Pesticide and fertilizer usage in accordance with these principles to be reported in the annual monitoring reports.
6	Medicine usage and disposal of un-used medicine	All the animal farms have secured medical cabinets, which only qualified personnel (veterinarian) has access to, and only trained personnel are allowed to handle and distribute medicine. Beside the local veterinarian, an international veterinarian also controls the herd several times a year and advice on animal health issues.	Medicine usage in accordance with these principles to be reported in the annual monitoring reports.
7	Liquid effluent control in case of manure spills.	By the end of 2011 all animal farms have been equipped with modern sealed manure lagoons, or in one case manure tanks. The manure is pumped from the animal stables to sealed lagoons, where it is stored until field application according to crop needs in the period spring to autumn. The design of the lagoons and the advanced field pumping systems shall prevent raw manure from spilling into water courses.	To be included in all future design specifications.
8	Manure application control. Fertilizer balancing.	The manure is high in ammonia and phosphor and needs to be utilized as fertilizer on crop growing farmland. For the current Lithuanian farms this means the need for agreement with local farmers for the use of the manure to substitute commercial ammonia and phosphor fertilizer on their fields, while the future Idavang farm will have an animal hold	Idavang, has these systems well organized in all current farms and will need to expand these systems as the expansions move forward. To achieve balance the manure application normally have to be spread according to a land need equivalent to

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		balanced with the crop growing area. The pig raising farm near St Petersburg has a special manure processing and separation process allowing the separation in concentrated ammonia holding water and phosphor containing solids, both available for commercial use as fertilizer, and low BOD/NH3/Phosphor containing water to be used for crop irrigation. The application of manure needs to be planned carefully to ensure 1) no application in frost periods to avoid runoff problems, 2) no application within 10-50 meters of water courses (depending on local rules / biological sensitivities), 3) manure application limited to the actual needs of the crops grown on the application fields, and 4) calculation of the fertilizer deficit after the manure application to determine the need for commercial fertilizer add up.	slightly below 1 ha per sow in the fully integrated pig production facility (e.g. a fully integrated 3,450 sow facility producing up to 100,000 slaughter pigs per year, will need approximately 3,500 ha of crop land available for sustainable utilization of the manure and its fertilizer potential). Annual reporting on all new projects to ensure balance between animal hold / production and farmed crop land.
9	Emergency preparedness and response in case of any accident.	All farms should have an emergency preparedness and response plan in place to be able to respond to emergency situations in a manner appropriate to the operational risks and the need to prevent their potential negative consequences for humans and the environment. The plan including contact information should be readily available in each section of the farm.	Prepare and disclose formalized emergency preparedness and response plan by December 2011 for existing farms and within 6 months of operation start for newly acquired farms. For any new Greenfield operation the plan should be available at animal production start.
10	Waste disposal and management.	Waste from the operations are sorted and disposed according to safe principles. The dead animal disposal system used at the current farms is based on collection by a rendering company, or cremation at the Tosno farm. For new farms it is needed to either have similar destruction options available or establish an internal destruction system (ref. incinerator). Air emissions from the incinerator will have to comply with WBG's guidelines.	For all new facilities prepare and implement an animal destruction system as part of the production preparation, and include a description in the annual monitoring reports.