

ABOCOL

Table 1. Environmental and Social Action Plan

Location	Area	Action	Implementation Deadline
Company	Management System	Demonstrate to IFC the details of the Corporate Management System established to ensure sound EHS performance of existing and future owned and subsidiary operations. Provide details	December 2008
	Operational Safety	Confirm that the pending HAZOPs recommended actions have been implemented	September 2008
South Plant	Air Emissions	Submit to IFC copy of the particulate matter, ammonia, and nitrogen oxides stack emissions conducted after the plant upgrades are been implemented	December 2008
		If concentrations are greater than the IFC acceptable levels, submit to IFC the list of control measures and implementation deadline to reduce emissions of particulate matter, ammonia, and nitrogen oxides to IFC acceptable levels	May 2009
		Submit to IFC copy of stack emissions testing results for HCl and HF	August 2008
		If concentrations are greater than the IFC acceptable levels, submit to IFC the list of control measures and implementation deadline to reduce emissions of HCl and HF to the IFC acceptable levels	March 2009
	Water Conservation	Submit to IFC the results of the study for reusing the condensed water generated in the ammonium nitrate processes at the UNA1 and UNA2 plants	July 2009
	Wastewater	Demonstrate to IFC that the sediment control system improvements in the perimeter channels have been completed	December 2008
		Demonstrate implementation of the improvement program in the products area which will avoid products leachate into the storm waters	October 2008
	Solid Residues	Demonstrate that the enhancement of the solid residues storage area is been completed	September 2008
	Operational Safety	Submit to IFC the implementation schedule to install double containment walls around liquid storage tanks	August 2008
		Demonstrate that the updates to HAZOPs due to the new project (NiCa 2) are been completed	October 2008
	Hazardous Materials Management	Demonstrate that the upgrade of the heavy machinery (loaders, movers) maintenance shop has been completed	October 2008
	Emergency Response	Demonstrate that the Emergency Response Plans have been updated as a result of the new projects (NiCa2, NAN3, AN3)	July 2009
	Health and Safety	Submit to IFC copy of results of ammonia and nitric acid monitoring assessment through out plant at work areas	December 2008
		If concentrations are greater than the IFC acceptable levels, submit to IFC the list of control measures and implementation deadline to reduce concentrations of ammonia and nitric acid in workplace areas at IFC acceptable levels	April 2009

North Plant	Nitric Acid Process - Air Emissions	Submit to IFC copy of NOx stack testing monitoring results for the NAN1 plant conducted after the installation of the catalyst reduction system demonstrating that the concentrations are being reduced to IFC acceptable levels	December 2009
		Submit to IFC copy of particulate matter and ammonia stack testing monitoring results for the NAN1 and NAN2 plants	August 2008
		If concentrations are greater than the IFC acceptable levels, submit to IFC the list of control measures and implementation deadline to reduce emissions of particulate matter and, ammonia for the NAN1 and NAN2 plants to IFC acceptable levels	December 2008
		Submit to IFC copy of the stack testing monitoring results demonstrating the outcome of the hydrogen peroxide injection system installed to reduce the NOx emission during plant's starts ups and programmed stops	September 2008
		Demonstrate that the installation of the system to collect the ammonia vapors vented during plant start ups is been completed	August 2008
	Ammonia Process – Air Emissions	Submit to IFC copy of the ammonia stack testing monitoring results	November 2008
		If concentrations are greater than the IFC acceptable levels, submit to IFC the list of control measures and implementation deadline to reduce emissions of ammonia to IFC acceptable levels	April 2009
		Submit to IFC copy of the program to improve the compressor maintenance program to reduce ammonia leaks to the environment.	September 2008
	Liquid effluents	Demonstrate that the improvements to the oil collection system are complete	November 2008
		Submit to IFC ammonia, total nitrogen and total suspended solids concentrations after the upgrades have been completed	December 2008
		If concentrations are greater than the IFC acceptable levels, submit to IFC the list of control measures and implementation deadline to reduce concentrations of ammonia, total nitrogen and total suspended solids to IFC acceptable levels	April 2009
	Solid Residues	Demonstrate that the enhancements to the solid residues storage area are complete	September 2008
	Operational Safety	Submit to IFC the implementation schedule to install double containment walls around liquid storage tanks	August 2008
		Confirm that the updates to the HAZOPs as a result of the new projects (NAN3 and AN3) are being completed	November 2008
	Health and Safety	Submit to IFC copy of results of ammonia and nitric acid monitoring assessment through out plant at work areas	December 2008
		If concentrations are greater than the IFC acceptable levels, submit to IFC the list of control measures and implementation deadline to reduce concentrations of ammonia and nitric acid in workplace areas at IFC acceptable levels	April 2009
Port	Air emissions	Upgrade conveyor belt covers to control fugitive emissions	May 2009