



**lontar papyrus**   
pulp and paper products

## COMMUNICATION ON PROGRESS – WATER

2012

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<b>Sector</b>	Pulp and paper industry	<b>Member Since</b>	22 March 2011



## STATEMENT OF CONTINUOUS SUPPORT

Asia Pulp & Paper (APP) has a vision to become the 21st Century's premier, world-class pulp and paper manufacturer – a company dedicated to providing superior value to customers, shareholders, employees and the community. To achieve this vision, APP has committed itself to being socially, environmentally and economically sustainable throughout its operations.

As an embodiment of its commitment, APP marked the World Water Day 2011 by pledging to the United Nations Global Compact CEO Water Mandate and becoming one of the first companies in Indonesia to do so. Furthermore, APP is honored to be elected as the Chairman of Indonesia Water Mandate Working Group, which was created to help members implement the CEO Water Mandate Principles, within and outside their operational boundaries.

During the first year of the commitment, APP has been intensifying its efforts in sustainable water management. In addition to the on-going water saving projects on site, APP is engaging an external partner to implement an organisation-wide Water Footprint Assessment with the aim of identifying further potentials for water consumption reduction and improvements in the quality of its water effluent. As a responsible producer, APP also contributes to addressing community water issues nearby its operations and beyond. In implementing its water projects, APP engages various partners to optimize the impact of the project on the community.

The six areas of commitment to the UN CEO Water Mandate are useful frameworks in implementing its commitment to sustainability and responsible business practices. APP is committed to continuing to adhere to these principles in its corporate strategy, roadmap and day-to-day operational activities.

Jakarta, December 2012

A handwritten signature in black ink, appearing to read 'Aida Greenbury', is written over the printed name and title.

Aida Greenbury  
Managing Director Sustainability & Stakeholder Engagement  
Asia Pulp & Paper Group Indonesia

## **INTRODUCTION**

PT. Lontar Papyrus Pulp and Paper Industry (LPPPI) is a company operating under the brand umbrella of Asia Pulp & Paper Group (APP) Indonesia. The production facility is located in a remote site adjacent to the navigable Tungkal / Pengabuan river system in Jambi Province. It has a single-line production facility which produces bleached hardwood kraft pulp (LBKP). Its main business activity is the production of pulp and tissue, with a total production of over 800,000 tons of pulp and tissue annually. The company started its operation on 1976.

## **INTERNAL OPERATION**

As any other typical pulp and paper manufacturers, PT. Lontar Papyrus Pulp and Paper Industry (LPPPI) mill is located adjacent to a watercourse which is Tungkal / Pengabuan river. LPPPI mill draws water from this river for its operational needs. Around 85 percent to 90 percent of the water used in both integrated and stand-alone paper mill is for production purposes with some 10 percent to 15 percent used to produce steam, and for cooling associated with power generation.

Compliance with government regulation is a minimum requirement for LPPPI water quality performance. The mill strives to continuously improve its water consumption and the quality of its waste water effluent by implementing various efficiency and process modification projects.

As regulated by the national law, before starting the operation, any manufacturing facility in Indonesia is required to prepare the Environmental Impact Analysis (AMDAL), which is later complimented with an Environmental Management Plan (Rencana Kerja Lingkungan/RKL) and an Environmental Monitoring Plan (Rencana Pemantauan Lingkungan/RPL). The RKL and RPL have to be developed and submitted every six months to the regional and national Environmental Agencies to report the facility's environmental monitoring and impact control activities and performance.

In LPPPI, the RKL (Environmental Management Plan) and RPL (Environmental Monitoring Plan) include monitoring the quality of the wastewater, which is treated in the wastewater treatment facilities before being discharged to water bodies. The mill also monitors water quality at both the intake and discharge points to assess the impact of its operation on its water source. The parameters used in LPPPI mill monitoring system include biological oxygen demand (BOD), chemical oxygen demand (COD), suspended solids, pH values, dissolved oxygen (DO), temperature and AOX. In addition to the physical parameters, the mills also monitor the biodiversity in its water source to ensure that its operations do not affect the existing ecosystem.

In mid 2011, a Water Footprint Assessment of LPPPI has been undertaken in partnership with Nalco, one of the world's leading innovators in clean water technology and solutions. The Water Footprint Assessment is implemented based on a guideline developed by the Water Footprint Network. The result of the assessment will be used as a baseline to develop further roadmap to water reduction program in LPPPI.

## **EXTERNAL WATER INITIATIVES**

- **Clean Water Access instalation in Taman National Ujung Kulon**

In other project, LPPPI, as part of APP group, supports the Ujung Kulon National Park (UKNP) for Javan rhino conservation efforts. Javan rhino is one of the most endangered species in the world. In the wild they only exist in UKNP with only an estimated number of around 40 to 50 remaining. A significant

threat to the survival of Javan rhino is the community living nearby the National Park. To minimize the threat of poaching, the communities living nearby need to have a better living standard through improved livelihood and improved sanitation. Therefore, the project includes community development programs as well as provision of basic human needs such as access to clean water. Starting on August 2011 the company, in partnership with the Javan rhino Conservation Working Group, supported a water piping program. The project aims to provide continuous supply of clean water to the community. The system uses a traditional and environmentally friendly method by using bamboos as the pipes to carry the water from the water source. The traditional system also uses gravitational force instead of electric pumping to transfer the water from one point to another. The project, which is planned to run for 5 years, is targeting 15 villages that are directly adjacent to the UKNP area. This project also aims to raise the community's awareness of the importance of clean water and sanitation.

- **Indonesia Water Mandate Working Group**

LPPPI pledged to the UN Global Compact CEO Water Mandate Initiative during the World Water Day commemoration on March 22nd, 2011 along with other mills under the APP Group and five other Indonesian companies. Shortly after the pledge, the Indonesia Global Compact Network established the Indonesia Water Mandate Working Group whose objective is to provide capacity building for its members and to provide a platform for collaborative actions. APP was elected as the Chair of the Working Group. In 2011, the Working Group developed a multi-stakeholder 'Save Water Campaign' which aims to raise public awareness on the urgency of taking actions to save water and water sources, and the importance to take collaborative actions in tackling the water issue in Indonesia and globally. The Project includes seminars, discussion and report development around water policy, water disclosure, best practices and collaborative actions on the ground with relevant government agencies, UN bodies, NGOs, academics, community and other private sectors.

## **TRANSPARENCY**

In order to meet the transparency principle of the UN CEO Water Mandate, LPPPI regularly reports its water consumption, waste water monitoring and management, and its other water reduction initiatives through the APP Sustainability Report which is developed based on the Global Reporting Initiative (GRI). APP achieved the A+ disclosure level in the previous report, which is the highest level of transparency based on the GRI Standard.

Other communication media used by APP to cover its activities are Stakeholder Update, press releases, corporate website ([www.asiapulppaper.com](http://www.asiapulppaper.com)) and internet blog site ([www.rainforestrealities.com](http://www.rainforestrealities.com)), which are continually updated.

## **FUTURE PLAN**

As a responsible manufacturer, LPPPI realizes its role to implement sustainable water management and encourage its partners, supply chain and all its stakeholders to also use water in a responsible and sustainable way. Through its various internal, external and multistakeholder programs, the mill strives to implement the CEO Water Mandate Principles in all aspects of its operations and is committed to continuous improvement by reducing its water consumption, increasing the quality of its water effluent,

and contributing to the sustainable water management and to clean water access for its surrounding community and beyond.

Detailed water performance and other sustainability initiatives of LPPPI will be covered in the upcoming APP Sustainability Report 2010-2011.