



PWPA Co-sponsors Green Pinoy Expo 2010

The Philippine Wood Producers Association (PWPA), together with the other trade associations, co-sponsored the Philippine Products Standard and Quality Foundation (PPSQF) First Green Pinoy Expo 2010 held last March 5-7, 2010 at the Trade Hall 1, SM Megamall, Mandaluyong City to promote ecologically and environmentally friendly Philippine-made products.

The expo served as the venue for the PWPA to promote the wood industry as a green industry through the products and the CSR activities of its member-companies.

As a co-sponsor, the PWPA was provided with a 16-square meter booth wherein the PWPA and some of its

member-companies as well as its invited industry-partners displayed their products and wares.

Member-companies who displayed their products were EMCO Plywood Corp., MATIMCO, PATECO, Mega Plywood Corp., Baganga Plywood Corp., Sta. Clara Plywood Corp. and Mt. Banahaw Plywood Corp. Industry-partners UPLBCFNR and FPRDI displayed also innovatively developed wood products and samples of their research publications.

The booth's main attraction was the bahangka, an unsinkable rescue and relief small flat boat made entirely of phenol-bonded plywood. The bahangka is a result of the collaboration among the the PWPA, Philippine



Go Green Pinoy! Representatives from DTI and PPSQF lead the opening of the Green Pinoy Expo last March 5-7, 2010 at the Trade Hall, SM Megamall, Mandaluyong City.

Home Boatbuilders Yatch Club, Design Ligna, Cord Chemicals, Inc., and Polymer Products, Inc. (see page 9 about the making of bahangka). A few of the

(Continued on page 2)

DENR/FMB - PWPA Hold Workshop

On Emerging Wood Industry Concerns

The Philippine Wood Producers Association (PWPA) and the Forest Management Bureau (FMB) of the Department of Environment and Natural Resources (DENR) held its first consultative workshop on April 27, 2010 at the AIM Conference Center, Makati City to take actions in resolving the emerging wood industry concerns .

As an opening message, PWPA President Antonio Olizon summarized the concerns discussed during the preliminary meeting held last April 16, 2010 at the FMB, Quezon City as he hoped solutions thereto can be found and agreed upon during the workshop. He added the wood industry is now on a survival mode that innovative if not radical policy and regulatory interven-



Tackling Wood Industry Concerns.

(clockwise) Mr. Rudy Cabuay of Sirawai, PWPA Chair Fernando Lu, President Antonio Olizon, FEA Jose Lorenzo, SFF President Renato de Rueda, DENR Undersecretary Jeremias Dolino and FMB Director Marlo Mendoza discuss ways to further strengthen relationship among stakeholders.

tion measures are urgently needed; lest, the situation becomes irreversible.

FMB Director Marlo Mendoza said policy reforms have been his priority attention since he joined the FMB as he would like to see the forests well-managed and conserved to serve the needs of the people. He wanted also investment opportunities in the forestry sector explored and encouraged to the fullest within the bounds of sustainable development.

Mendoza said various interest groups - the government, the civil society and the forest-based industries - have different visions for and demands from the forest resources; but guided by the belief that there is always a balance between economics and social development on one hand and environment protection on the other,

(Continued on page 2)

Plywood Council Briefed on Power Situation in Mindanao

The representatives from the Department of Energy (DOE) and National Grid Corp. of the Phil. (NGCP) briefed the members of the Plywood Council during its March 18, 2010 meeting at Choi Garden Seafood and Sharksfin Restaurant at Greenhills, San Juan City, on the critical power situation in Mindanao.

The DOE reported that Mindanao will continue to experience rotating brownouts until the end of July 2010 when the El Nino phenomenon ends and the rainy season begins. In addressing the situation, the following options were being considered by them as action plans:

- To declare a state of calamity in Mindanao
- To pay owners for the use of their gensets by the DOE [companies concerned will be reimbursed by DOE for the cost of operating it (NDCC Memo Order No. 4 (s)1998)].

The NGCP reported that the decline in the water level of the rivers providing power for the region will continue until the end of El Nino phenomenon.

DENR/FMB - PWPA...

(Continued from page 1)

the challenge of harmonizing varied interests can be addressed to attain the common good.

Mr. Antonio Avelino of the South Davao Co., Inc. presented a well-researched paper on "The Economic Opportunities of African Oil Palm (*Elaeis guineensis*, Jacq) as a Plantation Crop in IFMA Areas."

Among the emerging issues discussed in the workshop were: the suspension of the clearing of natural vegetation in degraded residual natural forest; the surface rights conflict between forestry and mining; the inclusion of African oil palm plantation inside IFMA areas; the implementation of the profit-sharing agreement; and the holding of a regular PWPA and DENR/FMB meetings.

Society of Filipino Foresters, Inc. President Renato de Rueda expressed optimism that with the continued partnership between the government and the private sector, the concerns of the Philippine forestry and the wood industry can be addressed comprehensively.

FMB Asst. Director Neria Andin said the workshop outputs will help move forward efforts to make the forestry sector again a pillar for economic development.

PWPA co-sponsors...

(Continued from page 1)

boats were distributed to some towns around Laguna Lake for distributing relief goods and ferrying people affected by the flood caused by typhoons Ondoy and Pepeng.

PWPA also invited to the expo Dr. Rico Cabangon, FPRDI's OIC Asst. Director, who gave a lecture/presentation on "Wood as a Green Construction Material" that was listened to by an interested audience.

He explained why wood is a green construction material as he related it to the issue of climate change.

The PWPA booth was one of the most visited because of the affordably priced bahangka and the varied wood products display. *(more photos on page 6)*

PWPA Chair Fernando Lu said he wanted to see the wood industry develop to its fullest and be a significant agent for mitigating climate change. He added that if the industry would have a renewed role, it would have a good future to even encourage the industry captains' next generations to succeed them.

DENR Undersecretary Jeremias Dolino said the PWPA has always been a partner of the DENR and that in working close together, any issues can easily be overcome.

Other participants from the DENR\FMB were: FMB division chiefs Atty. John Jaramillo, Foresters Jesus Javier, Lourdes Wagan, and Mayumi Q. Natividad as well as Foresters Edna Nuestro and Roberto Oliveros, Mr. Alejandro Sebucao, Jr., and Ms. Lovella Segayo.

Other PWPA participants were: Directors Evaristo Narvaez, Jr., Alexander Ong, and Ramon Uy, Executive Director L. D. Angeles, Forestry & Env't. (F&E) Adviser Jose Lorenzo, F&E Coordinator Maila Vasquez, Manager Regino Serafico, Industry Coordinator Ricardo Patawaran, Mssrs. Bernie Agaloos of SUDECOR, Florio Buñag of the FGI, Rudy Cabuay of SIRAWAI and Ms. Shierly Irinco of the Liberty Logging Corp. *(See related stories on pages 3-4 and photos on page 7)*

<p>WoodStock</p> <p>Bi-monthly publication of the Philippine Wood Producers Association</p>	<p>EDITORIAL BOARD</p> <p>Fernando A. Lu, Chairman of the Board Antonio C. Olizon, President L.D. Angeles, Managing Editor M. R. Vasquez, Newsletter Editor</p>	<p>E-mail us at :</p> <p>info@pwpa.org.ph or philwood@globelines.com.ph for your comments, feedback or letters to the Editor</p>
---	--	---

Emerging Wood Industry Concerns Tackled

The Philippine Wood Producers Association (PWPA) and the Forest Management Bureau (FMB) of the Department of Environment and Natural Resources (DENR) discussed in a workshop last April 27, 2010 at the AIM Conference Center, Makati City as they agreed on the courses of actions to be taken to resolve the emerging wood industry concerns.

- *Suspension on the clearing of natural vegetation in degraded residual natural forest per October 8, 2009 Memorandum from the Secretary.* FMB director Marlo Mendoza said the FMB has drafted an amendment to Department Administrative Order 99-53 to clarify the issue on the Memorandum. He added that in case the DENR Secretary may not be able to approve it by end of May 2010, a clarificatory memorandum instead shall be issued.
- *Surface rights conflict between TLA/IFMA-holders and FTAA-/MPSA-/small-holder mining permit-holders,*
- *over timber/forest located in the same or common area.* Atty. John Jaramillo of the Legal Division of the FMB said coordination is being undertaken between the DENR and the Department of Energy (in case of coal and oil/gas) and among DENR agencies concerned -- in the issuance of ECCs and in the matter of minerals/quarries -- in order to ensure priority rights/privileges over timber/forest. He said a one-stop-shop processing and endorsement of applications is being implemented at the regional level.
- *Inclusion of African oil palm plantation inside IFMA areas, per MC 2004-12 in relation to Sec. 14.5 and 14.6 of DAO 99-53; also, to increase the area for agricultural purposes.* No agreement was made on increasing beyond 10% the area for agricultural purposes where oil palm maybe also planted.
- *Implementation of the profit-sharing agreement between the IFMA holder and the government as called for under Sec. 21 of DAO 99-53.* Mr. Alejandrino Sebucao of the FMB

presented the formula for the profit-sharing agreement. PWPA President A. C. Olizon suggested the use a fixed rate of 1.5% of gross revenue per hectare, starting on the first harvest of the plantation crop, for ease of the computation. He suggested that a small group should meet and discuss further formula and computation details.

- *Institutionalize a regular meeting between the PWPA and the DENR Secretary and/or FMB Director.* The PWPA and FMB agreed to have its regular meeting, alternately hosted, every last Tuesday of each month starting at 1:30 PM.

The following concerns, for lack of time during the Workshop, will be taken up during its regular meeting: 1) a one-license scheme or type for all forms of access to forest resources; 2) action against mills without wood processing permits. 3) ways to improve flow of processing and approval of documents from DENR field to Central Office, including FMB; 4) curtailing illegal logging; and 5) other urgent matters.

DENR Usec Dolino Sees a Bright Future for the Wood Industry

Department of Environment and Natural Resources (DENR) Undersecretary Jeremias Dolino, in his closing message during the DENR/FMB-PWPA workshop held on April 27, 2010 at the AIM Conference Center, Makati City, said the PWPA has always been a good and active partner of the DENR.

He related his earlier personal envy to PWPA because it has always been together with the DENR in many undertakings or events of importance, unlike the mining industry, where he once belonged. He added, however, as the then assistant secretary and now the undersecretary of the DENR, he never has any problem with the PWPA.

Dolino said the workshop discussion issues are not really problems beyond solutions if together the government and the private sector will work together on resolving them.

He recalled that during the glory days of the Forest Management Bureau (FMB) when 60% of the entire budget of the DENR was for it, he had always wondered why fruit trees then could not be planted in the forestlands; that, later on, was allowed.

He said that when he was a Regional Executive Director, he studied the forestry sector and he observed that most of its policies were changed frequently so much so that he himself, much less the private sector, got confused which to follow.

The Undersecretary said, however, there is a bright hope for the Philippine forest because as he observed in Sweden, its cutting cycle for its forest trees is 80 years yet the country is doing good in its forest. The Philippines, he said, can do much more as its cutting cycle is very much shorter. What is needed, he said, is encouragement and support of the wood industry by the government. The FMB, for example, must act immediately on applications the Secretary can approve to hasten forest development.

He said the new Secretary Horacio Ramos, who rose from the ranks, is always open to good policy and governance initiatives.

SFF President Lauds DENR/FMB-PWPA Partnership



Forester Leader SFF
President Renato de Rueda hopes partnership will address Philippine forestry concerns.

Society of Filipino Foresters, Inc. President Renato de Rueda said during the DENR/FMB-PWPA workshop held last April 27, 2010 at the AIM Conference Center, Makati City he is very happy to see a dialogue between the government and the private sector. He hoped it will be continued as platform for addressing comprehensively the concerns of the Philippine forest sector.

De Rueda heads the 8,500 PRC-registered professional foresters in the Philippines. The workshop participants knew and appreciated where he was coming from when he talked about forestry and the forestry sector as he has been once the undersecretary of DENR.

De Rueda said the Forest Management Bureau (FMB) and the Philippine Wood Producers Association (PWPA) can come up with creative ways to make the former the accrediting organization for all major wood industry players for them to be able to assume responsible roles.

He added that with the increasing population, there will be more conflicting demand and greater pressure on the forestry resources so that there is a need to use the Master Plan for Forestry Development.

He also said that through creative partnership between the government and the private sector, the image of the Philippine forestry will be much more improved. The Congress does not see the importance of the forestry sector because it does not understand very well its significant contribution to the coffers of the government.

He added that if all parts of the Philippine forestland were managed by responsible players, be it corporate or community, and the services, such as water, from the forests were improved, the importance of the forests and the forestry sector will be better appreciated and supported by the Congress and by the public.

He added that if all parts of the Philippine forestland were managed by responsible players, be it corporate or community, and the services, such as water, from the forests were improved, the importance of the forests and the forestry sector will be better appreciated and supported by the Congress and by the public.

He added that if all parts of the Philippine forestland were managed by responsible players, be it corporate or community, and the services, such as water, from the forests were improved, the importance of the forests and the forestry sector will be better appreciated and supported by the Congress and by the public.

“...if all parts of the Philippine forestlands were managed by responsible players... and the services improved, the importance of the forests and the forestry sector will be appreciated and supported by the Congress and by the public .”

New requirement for forest areas mulled

MANILA, Philippines - The Department of Environment and Natural Resources (DENR) plans to impose an environmental and social rehabilitation program requirement on existing and prospective Industrial Forest Management Agreements (IFMA).

Environment and Natural Resources Secretary Horacio Ramos said this is similar to the Social Development Management Program (SDMP) requirement already imposed on Mineral Processing and Sharing Agreements (MPSA).

Ramos hopes to be able to put the environmental and social rehab program requirement to IFMAs in place before his stint at the DENR ends.

An environmental and social rehab program will ensure that forestry areas/plantations would be restored and rehabilitated after their commercial life is over, Ramos said.

Likewise, IFMA holders should also be obligated to put in place social programs that would address the needs of the local communities or indigenous people in the affected areas covered by the IFMA.

DENR undersecretary Demetrio Ignacio said the guidelines for the environmental and social rehab program are now being drawn up.

If allowed by law, he said the program would be imposed even on existing IFMA holders and for all IFMAs issued in the future.

According to data from the Forest Management Bureau, there are some 15.8 million hectares of forest lands of which 15.05 million hectares are classified forest land and 755,009 hectares are unclassified forest lands.

Of the 15.05 million hectares classified forest lands - 10.056 million hectares are established timberlands; 3.27 million hectares are established forest reserves; only 1.34 million hectares are national parks; around 126, 130 hectares are civil reservations; 165,946 hectares are military reservations and 91,077 hectares are fishponds.

Source: Article by Marianne Go, Business, The Philippine Star, April 16, 2010

DENR, NGOs lead Earth Day 2010 at SM Mall of Asia

The Department of Environment and Natural Resources (DENR) and Earth Day Network Philippines (EDNP) will hold tomorrow (April 22) the celebration of Earth Day at the SM Mall of Asia – Music Hall in Pasay City, marking it the 40th year of the global celebration for Mother Earth.

“This year’s Earth Day celebration will focus on climate change mitigation and adaptation measures and we are calling on all Filipinos to take positive actions for the environment and make the necessary move for a real lifestyle change by enlisting in the “10 Million Movement” campaign for Earth Day 2010 and beyond,” DENR Secretary Horacio Ramos said.

With the theme, *Hamon ng Panahon: Climate Change, Sampung Milyung Solusyon (Kilos Na! Ngayon Na!)*, the celebration will start off with a caravan ride of Ms. Earth beauties using clean air vehicles. The motorcade will start from the DENR office at Visayas Avenue, Diliman, Quezon City to the SM Mall of Asia in Pasay City.

At the SM Mall of Asia, the main celebration, which will start at 9 a.m.,

will be held at the Music Hall. It will be highlighted by the presentation of the report on the Green Philippines Agenda by Ramos. This will be followed by the presentation of the ‘10 Million Movement Commitments’ by former DENR Secretary and Earth Day Network Chairperson Elisea “Bebet” Gozun, and handing recognition awards to eco-friendly government agencies and government-owned and controlled corporations.

Ramos said the recognition awards for eco-friendly government agencies is expected to boost the implementation of environmental management programs in the public sector.

As for the private companies with exemplary practices on solid waste management, recognition awards will be given out during the event relative to the Zero-Basura Olympics program/competition launched by the DENR, in coordination with other environmental groups.

An arts contest for kids with disabilities, dubbed “Junk Art Encounter,” will also be held simultaneously at the venue. Ramos said the activity

seeks to enhance the creativity and skills of children while making them aware of the environmental issues facing the country and the world.

Anchored on the theme, “Climate change sa mata ng Bata: Kilos Na! Ngayon Na!” the contest is open to children with disabilities, aged 9-15. The participants will be bringing their own recyclable materials like paper, plastic bottles and styrofoam which they will use for their art masterpieces.

Then at 5 p.m., Ramos will lead officials of the DENR and Germany’s GTZ for the inauguration of the DENR Climate Change Office, the first ever green office in the country, the DENR compound in Quezon City.

The celebration of Earth Day started in 1970 in the United States by Senator Nelson Gaylor to shake up the political establishment and force the issue onto the national agenda. It was successful in calling the attention of some 20 million Americans to the plight of their environment and challenged them to take action.

Source: www.denr.gov.ph

Philippine Earth Day Beginning Traced

The Philippines started celebrating Earth Day in the 1980s by individuals who were aware of the celebration in the US. In the early 1990s, the Department of Environment and Natural Resources (DENR) started leading the celebration. Soon, a number of Earth Day events in the country were reported celebrated albeit in scattered and uncoordinated ways.

In 1999, in preparation for the Millennium Earth Day celebration, Mark Dubois of Earth Day International, visited the Philippines and met with environmental leaders at the residence of Ms. Odette Alcantara in Blue Ridge, Quezon City. There, he encouraged the local environmentalists to form a coalition of the green advocates and the Earth Day Network Philippines was born. The late Ms. Alcantara, Tita Odette or Odettesky to her

friends, along with former DENR Secretary Bebet Gozun, Garbologist Dr. Met Palaypay and more than eighty (80) environmental leaders decided to form the environmental coalition/network which will push for the yearly celebration of Earth Day in the country. They called the coalition “**Earth Day Network Philippines**” (EDNP). It is the official local partner of Earth Day Network International for the yearly celebration of Earth Day.

With the birth of EDNP, preparations for Earth Day 2000 were made. After months of network-building and planning, the biggest national Earth Day network was held with over two thousand members from the cross section of society. Since then, EDNP became the primary civil society partner of the DENR in the preparation and coordination of Earth Day celebration in the country.



Champion of Mother Earth. The late Ms Odette Alcantara of the Mother Earth Foundation, and with other environmentalist groups spearhead the coalition called Earth Day Network Philippines.

Glimpses at the Green Pinoy Expo 2010 at Mega Trade Hall, Mandaluyong City, March 3-5, 2010



Glimpses at the DENR/FMB-PWPA Workshop at the AIM Conference Center, Makati City, April 27, 2010



Some Facts about African Oil Palm (*Elaeis guineensis*, Jacq)

1. Contribution to world food

- Palm oil supplies 22% of the global demand for oils and fats.

World oil and fat producer 2007 (100 tonnes)

World oil and fat producer 2008 (100 tonnes)

World oil and fat consumer 2007 (100 tonnes)

World oil and fat consumer 2008 (100 tonnes)

2. Efficient land utilisation

- Each hectare under oil palm yields 10 times more oil than most other oil crops.

Average productivity of various major oil crops

Crop	Oil per ha/yr (kg)
Soyabean	201
Coconut	180
Groundnut	164
Sunflower	154
Rapeseed	150
Sesameed	170
Peanut Oil	3,000
Palm Kernel Oil	404
Olive	350

3. Alleviating global warming

- 7 million hectares of oil palm supply 20% of world demand for oils and fats, while 80 million hectares under oleoids supply 24% of the global requirement.

Comparative land requirement to meet global oils and fats demand in 2008

Legend: Palm Oil, Soyabean, Rapeseed, Coconut, Sunflower, Olive, Peanut, Groundnut

An oil palm forest, with its perennial green cover and closed canopy, displays the main features of a tropical rainforest.

- It is also a more efficient carbon sink than a tropical rainforest and helps absorb greenhouse gases. The oil palm forest assimilates 44 tonnes of dry matter/ha/yr compared to 25.7 tonnes by a rainforest.

- Oil palm production remains high throughout the 25-year economic life cycle of the oil palm forest, which can then be replanted.
- In Malaysia, oil palm is grown on about 56% of agricultural land, occupying some 10% of the national land use.

4. Conserving soil and water quality

- During planting, several measures are taken to prevent soil degradation and to conserve fertility.
- On hilly land, contour terracing is carried out along steep slopes. Silt pits help reduce the length of slope while trapping soil and plant nutrients. Pruned fronds placed along the slope minimise soil erosion and fertiliser loss.
- Leguminous cover crops fix nitrogen in the soil, recycle organic matter, improve soil structure, keep out weeds, reduce soil compaction and erosion, and promote rainfall acceptance.

5. Recycling - a standard industry practice

- One tonne of pruned fronds returns an equivalent of 9.81kg potassium, 7.5kg nitrate, 2.79kg magnesium and 1.06kg phosphate to the soil.
- About 10 tonnes of pruned fronds are produced per hectare per year. In Malaysia, about 35 million tonnes of fronds are returned to the soil each year. This translates into massive reduction of chemical fertiliser use and prevention of environmental

6. Palm Oil Mill Effluent (POME)

- POME, which is rich in nutrients, is recycled back to land.
- POME, after biological treatment, is increasingly applied to oil palm land for fertiliser and moisture benefits. Solids are processed into organic fertiliser or animal feed.

Estimated fertiliser value from POME per annum, based on 15 million tonnes of POME

Fertiliser	Tonnes (x 100)	Price per tonne (RM)	Fertiliser value (million RM)
Nitrogen	32.01	4.39	17.89
Phosphorus	4.39	17.89	54.20

8. Bio-control of weeds

- Leguminous cover crops reduce reliance on herbicides during the early years. Bio-control is also promoted through rearing of sheep, cattle and goats on major plantations.

- Blanket weeding is discouraged and herbicide spraying is confined to specific sections comprising about 25% of the planted area.
- The tropical climate with a high year-round microbial activity rapidly degrades pesticide residues, making these harmless to the environment.

7. Positive energy balance

- Compared to other major annual oilseed crops, the cultivation and processing of oil palm requires less input of fertilisers, pesticides, and fuel energy to produce one tonne of oil. This means that fewer emissions and pollutants are generated, thereby preserving soil, water and air quality.

Input and output energy values for oil palm products compared with other crops

Forming system	Annual energy value, GJ/ha	Input	Output	Ratio
Oil Palm (Malia)	19.2	182.1	9.5	0.5
Maize (USA)	30	84.5	2.8	0.3
Maize (Mexico)	1	39.4	30	7.6
Rice (USA)	65.5	84.1	1.3	0.2
Rice (Philippines)	1	24.4	4.4	1.8
Wheat (India)	6.6	11.2	1.7	0.2
Distard Rape (UK)	23	70	3	0.4
Soyabean (USA)	20	50	2.5	0.5
Pean (UK)	10.8	18.3	0.94	0.5
Sugar beet (UK)	124.4	82.9	0.7	0.6

Energy consumption in oil palm plantation

Input	Energy value GJ/ha/yr
Fertilisers	11.2
Pesticides, herbicides, rat baits	0.8
Machinery	5.14
Others	2.06
Total	19.2

10. Use of residues and waste materials

- During replanting, palm trunks can be used as lumber to manufacture planks. Fibre extracted from trunks and fronds is useful to wood-based industries as a raw material.

11. Eco-friendly zero burning in replanting

- A new technique eliminates the traditional practice of burning felled palms during replanting. The old stand of trees is mechanically felled, windrowed and shredded, and allowed to rot in the avenues.

- This technique recycles 90-100 tonnes of organic matter per hectare containing large quantities of nitrate, phosphate, potassium and magnesium, thus saving substantially on fertiliser costs.
- Chipping to enhance decomposing of old palm in zero burning technique of replanting.

9. Integrated Pest Management minimises use of chemicals

- Examples include use of livestock to control weeds, biological control of insect pests with predators and parasitoids, and rat control with barn owls.

Barn owls (*Syto alba javanica*) help control the rodent population in estates.

Sheep (*Ovis montanus*) are excellent natural weeder.

12. Adding to food security

- New research indicates that it is technically feasible to cultivate annual food crops like upland rice, soyabean, banana and pineapple with oil palm, especially during the first three years after planting. Free-range chicken can be reared as well.
- Areas under oil palm cultivation can therefore produce not only fat, but also carbohydrate, protein for human and livestock needs, and complementary soft oil. Palm oil is the world's richest source of Vitamin E tocotrienols and tocopherols as well as pro-vitamin A β -carotenes.

11. Eco-friendly zero burning in replanting

With this, the country will be come a net exporter of food and ensure food security through positive balance of foreign exchange.

The Making of the Bahangka

Punt (boat model) or fondly called as: BAHANGKA OR BAHANKA (noun)

a flat boat or punt designed and built by the Philippine Home Boatbuilders Yacht Club in 2009 during the aftermath of typhoon Ondoy. It was built as a shuttlecraft for transporting relief goods and personnel in calm waters. Intended for paddling or punting



Design and Purpose of the PHYBC Punt:
 Dimensions: weight: 50kg
 length: 2440mm capacity: 0.5 kg.
 width: 1220 mm height: 406 mm

Construction: marine plywood and epoxy adhesive
 This boat was designed for calm waters and to carry approximately 500 kg which would be ideal for 8 adults or the same amount in weight in terms of relief goods. The flat bottom allows floatation in every shallow waters. **DO NOT USE** this boat in strong currents where any unpowered boat will suffer the wrath of strong waters.

Basic plans illustrate the simplicity of the boats' design. It is hoped that volunteers, NGO/Foundations, government institutions will realize the simplicity of the design and will eventually begin building these boats in their own areas. PHYBC members can assist in helping source the proper materials as well as providing some guidance before or during the boat build itself. Members of PHYBC can also be reached at their website: www.pinoynoys.org for online consultation or advice.

Safety: Stability tests conducted but still wise to distributing the weight equally on both sides of the boat.

This Boat is the result of collaboration among:



Philippine Home Boatbuilders Yacht Club: for their time and labor in designing, building the prototype and supervising the production of all 18 'Punts'

Cord Chemicals: for the epoxy for joinery as well as epoxy primer and enamel epoxy for painting the boats

Polymer Products: donated also laminating epoxy

Design Ligna: for their woodworking facilities and manpower to build the boats as well as seed funding that got the project started.



PWPA: for the timber from Consolidated Wood Products and TUFFPLY Professional Boatbuilders Plywood for all boats.




Snapshot of the Tropical Timber Market

Dumping allegations

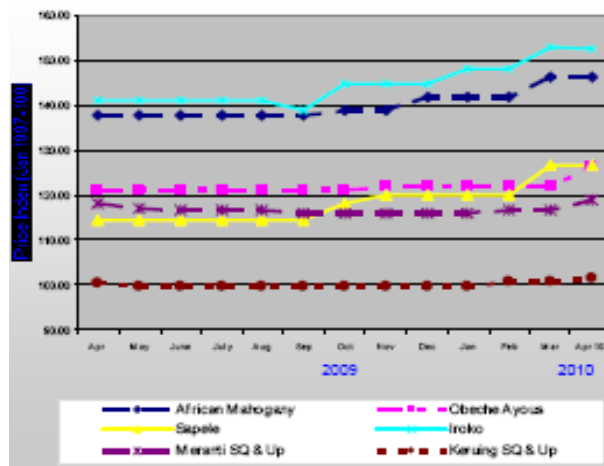
It is reported that the Sarawak Timber Association (STA) and the Sarawak Timber Industry Development Corporation (STIDC) will jointly prepare a position paper to refute allegations on behalf of some of the plywood exporters from the State allegedly dumping their plywood in South Korea.

The South Korean Trade Commission (KTC) had opened an investigation after receiving a petition from the Korean Wood Panel Association that some plywood manufacturers in Malaysia are selling their products below the production cost.

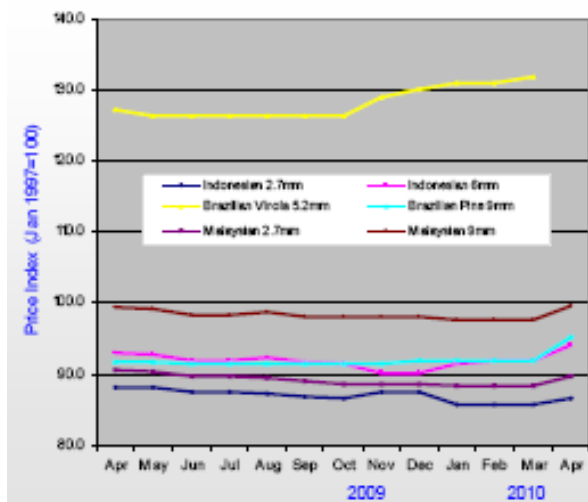
Another dumping case is proceeding in Australia. In December 2009, the Australian Customs and Border Protection Service signalled its intension to investigate the alleged dumping of plywood exported to Australia from Brazil, Chile, China and Malaysia.

Recently, the Australian authorities requested an extension of the deadline for the publication of the statement of essential facts (SEF) from initial date of 23 March 2010 to 21 June 2010. The delay was issued to ensure the participation of various parties to supply information.

Tropical Log Price Trends

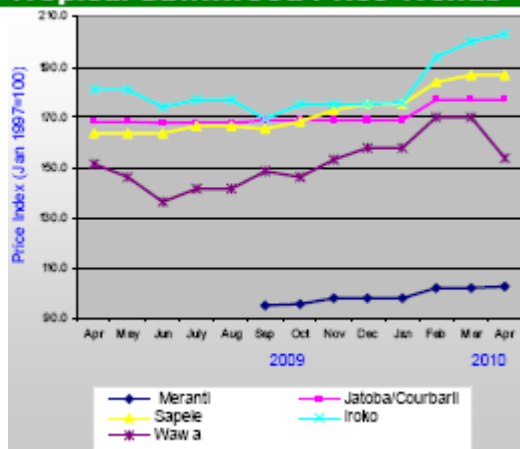


Tropical Plywood Price Trends



Source: Tropical Timber Market Report

Tropical Sawwood Price Trends



Average Plywood and Substitute Prices Survey in NCR

	Before (March 26, 2010)	Now (April 21, 2010)		Before (March 26, 2010)	Now (April 21, 2010)
(in Pesos/piece)					
3mm (1/8) plywood	211	223	18 mm (3/4) plyboard	822	853
4 mm (3/16) plywood	278	287	1/8 lawanit	231	229
5 mm (1/4) plywood ordinary	319	338	3/16 lawanit	307	307
5 mm (1/4) plywood marine	344	371	1/4 Hardiflex	398	402
10 mm (1/2) plywood	541	553	Gypsum Board	370	375
18 mm (3/4) plywood ordinary	862	884			

Note: all pick-up prices inclusive of VAT retail prices

EARTH DAY 2010

April 22, 2010

**Hamon ng Panahon:
CLIMATE CHANGE
10 Milyong Solusyon
(Kilos na! Ngayon na!)**

101 Ways for a Greener Lifestyle

Part III. WATER - CONSERVATION AND POLLUTION PREVENTION

Parts I & II were in the past two issues of Woodstock. Ed.

57. Fix leaky faucets right away and regularly check them.

58. Use a glass while brushing. Don't run the water when brushing your teeth.

59. Teach everyone to close the faucet while soaping their hands and open it only when washing.

60. Check out your bathroom. Use low-flow faucets, showerheads.

61. If installing new toilets, use dual flush toilets which use less water for flushing urine.

62. Stop using the bathtub. This wastes a lot of water.

63. Limit the length of your showers. Shut off the water while soaping up and shampooing.

64. Better yet, use pail and dipper (*tabo*) when bathing.

65. Wash towels and bed sheets after several uses.

66. Collect rainwater, and use it to wash your clothes, flush the toilets, and water your houseplants and garden.

67. Recycle used water from washing clothes. Use this to flush the toilet and to clean the floors.

68. Use a basin when washing dishes instead of letting the water flow continuously. Better yet, wipe the plates, spoons and forks first before washing them.

69. Just thaw your frozen food inside your refrigerator. Do not use running water to thaw it.

70. Use a basin of water instead of running tap water to clean your

fruits and vegetables.

71. Water your plants/garden early in the morning or late in the afternoon to lessen evaporation.

72. Use a pail and wash cloth when cleaning your vehicle. Do not hose it down.

73. Wash clothes in bulk for fewer loads in your washing machine. Set the rinse cycle to "cold." And, hang clothes to dry, rather than using an electric dryer.

74. Check your septic tank. Make sure it is sealed. Have your septic tank dislodged regularly (3 to 5 years for a regular household).

75. Connect to a sewerage system, if one is available in your area.



PWPA in Events

Date	Meetings/Events	PWPA Representatives
March 5-7	Green Pinoy Expo 2010 SM Mega Trade Hall, Mandaluyong City	PWPA directors and Staff members
10	Earth Day 2010 Planning Session, Miriam College, Katipunan, Quezon, City	FEC M. R. Vasquez
12	Earth Hour 2010 Press Conference, Makati Shangri-la Hotel, Makati City	FEC Vasquez
15	10 Million Movement Website Launch, DENR Social Hall, Quezon City	ED L. D. Angeles, FEC Vasquez
16	PWPA Board Meeting, PWPA Boardroom, Makati City	PWPA directors and officers
18	Plywood Council Meeting and Briefing on the Power Situation in Mindanao Choi's Garden Seafood Restaurant, Annapolis, San Juan City	PWPA Director and Plywood Council Chair A. C. Keh, Jr. and members, FEC Vasquez, DOE representatives
24	Meeting with Representatives from University of Queensland PWPA Board Room, Makati City	ED Angeles, FEC Vasquez, Mr. Francois Velge and Mr. Edwin Cedamon
27	Earth Hour 2010 Countdown, SM Mall of Asia, Pasay City	President A. C. Olizon and Chair F. A. Lu
29	Kick-off Holy Week Run, DENR Social Hall, Quezon City	ED Angeles and FEC Vasquez
30	Meeting with SGV Auditors, Max's Restaurant, Greenbelt, Makati City	Manager R. M. Serafico

Date	Meetings/Events	PWPA Representatives
April 10	KATBP radio Program, DZMM	IC R. M. PAtawaran
13	PWPA Board Meeting, PWPA Boardroom, Makati City	PWPA directors and officers
16	Preliminary Meeting with FMB Execom Memebrs FMB Conference Room, Quezon City	President Olizon, ED Angeles, FEC Vasquez, FEA J. A. Lorenzo, Manager Serafico, FGI's Florio Buñag, SIRAWAI's Rudy Cabuay, Forester Ricardo Umali
21	PWPA IFMA <i>ad hoc</i> Committee Meeting PWPA Boardroom, Makati City	Chair Lu, EVP-Director Keh, Jr., VP-Director E. M. Narvaez, Jr., ED Angeles and FEC Vasquez
22	Earth Day 2010 Celebration, SM Mall of Asia, Pasay City	Chair Lu, President Olizon, ED Angeles, FEC Vasquez, Manager Serafico, Mr. Rudy Cabuay, SA Floren Andres, Coordinator Benjie Bereña and Secretary Aurea Mira
27	DENR/FMB – PWPA Workshop AIM Conference Center, Makati City	PWPA directors, officers, and members as well as staff members

Note: EVP – Executive VP; VP – Vice President; ED – Executive Director; Mgr.– Manager; FEC – Forestry & Environment Coordinator; IC – Industry Coordinator; FEA – Forestry & Environment Adviser; SA – Systems Analyst; PC - Plywood Council; SC - Steering Committee

The Philippine Wood Producers Association
3/F LTA Condominium Building
118 Perea Street, Legaspi Village,
Makati City 1229



RI CHEMICAL CORPORATION



Our Major Products

Our **ALKYD, PHENOLIC, ACRYLIC, MALEIC, EPOXY AND EMULSION RESINS** are used widely by the paint industry for architectural and industrial coatings.

Our **UNSATURATED POLYESTER RESINS (UPR)** are raw materials for the handicraft industries, for the fabrication of boats, vehicle components, for furnitures and a large variety of industrial, architectural and consumer products.

Our **URES (Urea Formaldehyde Adhesives), PHENORES (Phenol Formaldehyde Adhesives), and HOTMELT ADHESIVES** are used by all the plywood mills, particle board and Laminated Veneer Lumber (LVL) plants in the Philippines.

Our **POLYVINYL ACETATE ADHESIVES** are used by the woodworking and packaging industries.



A trusted player in the synthetic resins industry

- ◆ With over 50 years of tradition in chemical manufacturing.
- ◆ Serving several essential industries locally and internationally.
- ◆ Committed to building a winning organization that fosters excellence, creativity, and innovation and safeguarding the community and the environment.

Plant & Sales Office

• Resins Inc. Compound, E. Rodriguez Jr. Ave., Bagong Ilog, Pasig City 1600
• Tel: +632-671-9842 to 53 • Fax: +632-671-2825
• E-mail: info@richem.com.ph • Website: www.richem.com.ph