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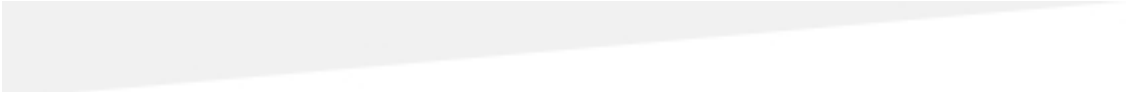
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Environmental Management

Update: 2015

All industries, including mining, have inevitable environmental impact, bot h positive and negative creating thereby an exchange between environmental benefit and environmental impact. The government of Indonesia determined mining is imperative for Indonesia’s economic development, and has in place the system to operate our project to be able to provide the economic benefit desired by Indonesia, while wherever possible, mitigating the negative impact towards the environment. PTFI is also committed to rehabilitate /reclaim the impacted area when said area is no longer used for operational purposes.

1 Standardization, Audit and Certification

PTFI is the first mining company in Indonesia certified based on the ISO 14000 System.

**ACHIEVING ISO 14001
CERTIFICATION FOR 10
CONSECUTIVE YEARS.**



ISO 14001
SEJAK 2001

Adopts the principle of Sustainable Development Framework from the International Council on Mining and Metal (ICMI)

Conducts 3-yearly independent external audit towards PTFI's environmental management implemented since 1996.

Supports the Extractive Industry Transparency Initiative (EITI) implementing company commitment to reveal all income and payments in countries where we operate.

Conducts annual independent external audit by consultant (Crescent Technology Inc.) from parent company (Freeport-McMoRan Copper & Gold).

Participates in audit and inspection conducted by the Government of Indonesia such as the PROPER Audit and the Mining Environment Inspection.

Submits a report of sustainable development implementation in the Global Reporting Initiative (GRI) and other formats.

The independent audit and PTFI environmental management system conclude that the overburden management program is 'very integrated' and 'consistent with international practices'.

In 2011 PTFI was awarded the 'Wildlife at Work' award from Wildlife Habitat Council – USA for a number of reclamation and biodiversity programs. This certification signifies PTFI's contribution towards the preservation of the habitat of wild animals in PTFI's jobsite.

Conducts Ecological Risk Assessment (ERA) to study the impact of the tailing sedimentation system in ModADA towards human health, aquatic biota, vegetation and wildlife. The PTFI ERA study is the largest study ever conducted by a private company and the findings were presented to stakeholders in 2002.

The quality at the tailing compliance point and three sea compliance points meet the standard quality set by the government, in accordance with the Decision from the Minister of the Environment No. 431/2008 regarding Tailing Management in ModADA .

**Laboratorium Lingkungan Timika (TEL)
2010 - received a Certificate from the Ministry of the Environment stating that TEL is registered as a reference environmental laboratory where sampling is included in the accreditation scope.**

1999

Accreditation BSN

2000

**Accreditation NATA
(The National Association of Testing Authorities - Australia)**

2003

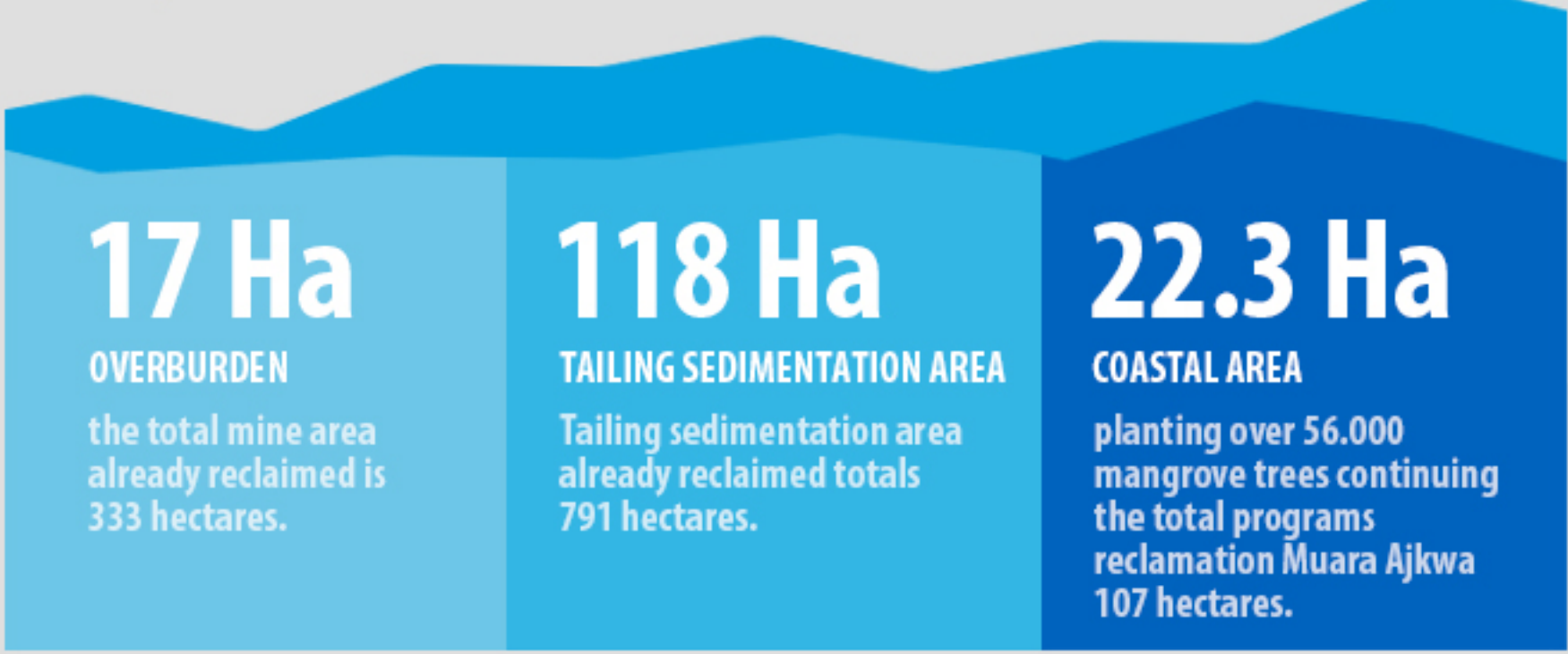
Komite Akreditasi Nasional (KAN) for system ISO17025



**2
Reclamation**

The PTFI Reclamation Plan is based on PTFI 5 Year Reclamation Plan which has been approved by the Ministry of Energy and Mineral Resources.

IN 2014, PTFI SUCC EED TO RECLAIM



RESEARCH REGARDING TAILING RECLAMATION AND ESTABLISHING DEMONSTRATION PLOTS IN THE TAILING SAND DEPOSIT AREA INDICATED that tailing can be re-vegetated and be replanted with local forest or farm plants. At mine closure time the tailing sand sedimentation area will be reclaimed using an appropriate reclamation technique which will be established by means of consulting with a number of stakeholders bearing in mind the environmental and social impact.



THERE IS NO USE OF MERCURY OR CYANIDE
PTFI utilizes the flotation process to separate the mineral containing copper and gold from the rocks and does not generate hazardous and toxic waste (B3) during its main process. There is no use of mercury or cyanide during this process.

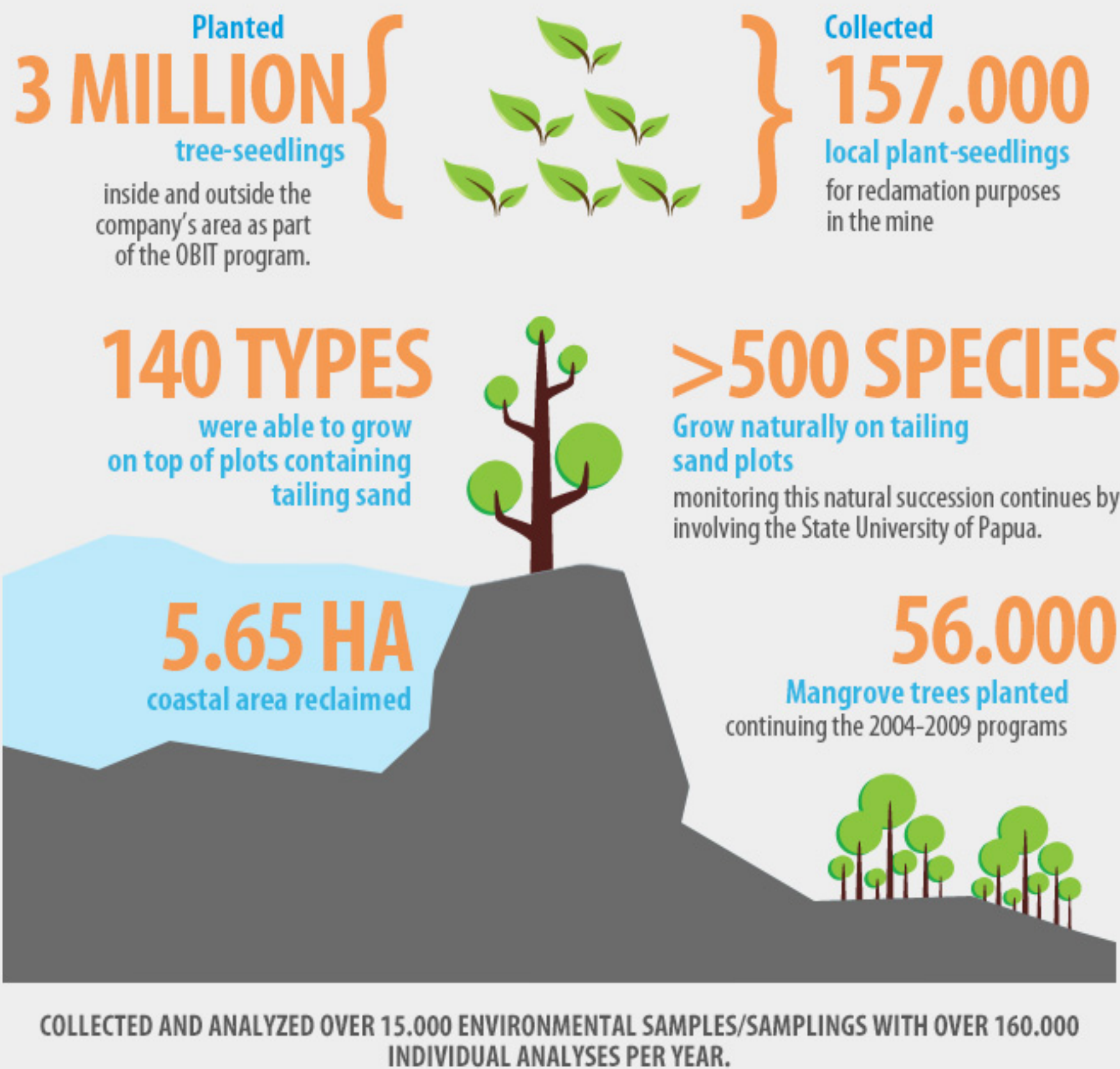


OPERATES 3 LANDFILL LOCATIONS AND 10 WASTE PROCESSING PLANTS, 10 WASTE WATER PROCESSING INSTALLATIONS (IPAL).
PTFI has already obtained a license to dispose of liquid waste for all IPAL located within PTFI's jobsite. In accordance with the stipulation embodied in the license, overseeing and reporting takes place periodically.

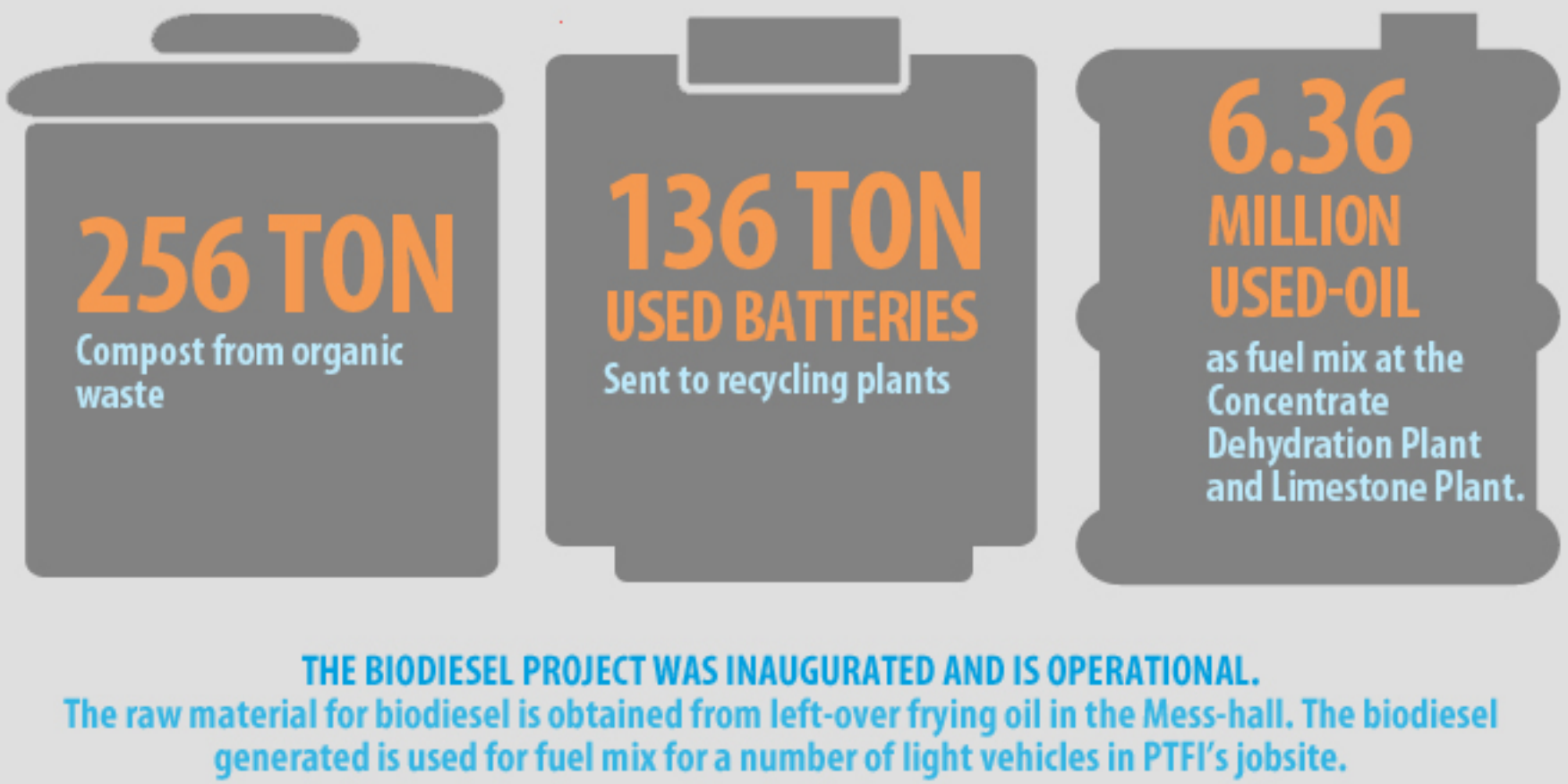


TRANSPORTED 2.439 TON S OF B3 WASTE GENERATE D BY SUPPORT ACTIVITIES SUCH AS WORKSHOPS, HOSPITAL S, TEST LABORATORY AND OTHER SUPPORT ACTIVITIES TO PPLI (PRASADHA PAMUNAH LIMBAH INDUSTRI) CIBINONG, PT WASTE-CILEGON AND OTHER RECYCLING AGENT S FOR FURTHER PROCESSING AND DISPOSAL.





4
Recycling
Up to 2011



5
Tailing Management
Up to 2011

INTEGRATED EFFORTS ARE IN PLACE FOR THE PREVENTION AND CONTROL OF OVERBURDEN ACID WATER.

PTFI categorizes the overburden types into groups and places the overburden selectively thereby minimizing forming of overburden acid water. The resulting acid water is collected and neutralized by adding limestone.

THE PAPUA PROVINCIAL ADMINISTRATION AND PTFI EXTENDED THE MOU FOR THE USE OF TAILING AS CONSTRUCTION MATERIAL FOR INFRASTRUCTURE CONSTRUCTION IN THE PROVINCE
Tailing is also used as construction material for roads and bridges in Mimika. As part of the MoU's implementation, PTFI has dispatched over 460.000 m3 ton tailing as construction material to Merauke, a number of construction projects in Mimika and several in PTFI's operation area.

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THE QUALITY AT THE TAILING COMPLIANCE POINT AND THREE SEA COMPLIANCE POINTS MEET THE STANDARD QUALITY SET BY THE GOVERNMENT, IN ACC ORDANCE WITH THE DECISION FROM THE MINISTER OF THE ENVIRONMENT NO. 431/2008 REGARDING TAILING MANAGEMENT IN MODADA .





EDUCATE D 2.044 STUDENTS, 340 YOUTHS AND 360 STUDENT APPRENTICES REGARDING ENVIRONMENTAL KNOWLEDGE AND AWARENESS.

PTFI contributed towards the environmental education curriculum in schools in Mimika at Elementary (SD) and Middle School (SMP) levels.

MATERIAL REGARDING PTFI ENVIRONMENTAL MANAGEMENT SYSTEM

has also been included in yearly refresher training courses taking place concurrently with K3 training. Up to the end of this year, employees who have participated in these training courses are 13.745. Environmental training is also conducted for new employees in the new Hire and Specific Induction training program applicable for the area where the employee is going to be employed. Up to the end of this year 8.517 employees participated in the training.



ORGANIZES PROGRAM ALAM LESTARI, collaborating with Mimika Education and Culture Office (P&K), Mimika Environmental Agency (BLH), Yayasan Pendidikan Jayawijaya (YPJ) and Contractor. The Alam Lestari Program is intended to build awareness and knowledge in terms of the environment, creates environment-based awareness and selects an environmental ambassador for the Mimika Regency.

SMP YPJ IN KUALA KENCANA SUCCEEDED TO GAIN AN AWARD FROM THE MINISTRY OF THE ENVIRONMENT AS AN ECO SCHOOL

on June 7, 2011 in Jakarta . PTFI continued assisting local middle schools in Timika to prepare themselves for the Eco School



HAS PUBLISHED A BOOK, NAMELY A SERIES ON BIODIVERSITY, "The Freshwater Fish of the Mimika Region, New Guinea", "The Birds of Mimika", "The Butterflies of Mimika", "Biodiversity of Papua", "Freshwater Crustacea" and "Mangrove Estuary Crabs".

As part of the environmental conservation program, in particular flora and fauna, PTFI collaborating with BBKSDA (Papua Region Natural Resources Conservation Center) has re-released endemic Papuan animal s into their original habitat .

 Freeport Indonesia  @IDFreeport



PT Freeport Indonesia adheres to the International Council on Mining & Metals (ICMM) Sustainable Development Framework and the Global Reporting Initiative(GRI) Sustainability Reporting Guidelines.

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