Data on KUBOTA Group Overseas Production Sites 2016

P.T. Kubota Indonesia

1.Outline

Address	Taman Industri Bukit Semarang Baru(BSB) Blok D.1 Kav.8 Kel. Jatibarang - Kec. Mijen - Kota Semarang ; Indonesia
Number of employees	349
Site area	74,000 m^2
Establishment day	Jul-1973
ISO14001 certification date	Feb-2006

2 . Products

Horzontal Diesel Engine

3 .Environmental policy

Producing , serving , and promised to continuously improve customer satisfaction and enviromental pollution prevention performance according to expectations of stakeholder and regulatory requirements and other requirements appropriate with Quality Management System ISO 9001:2008 and Enviromental Management System ISO 14001:2004

4.Environmental performance data (Jan. 2015 to Dec. 2015)

Used amount of energy	Crude oil equivalent KL	1,130
Used amount of water	thousand m^3	30

CO_2 emission*	t -CO_2	3,394

*CO2 emissions from energy sources.

Air Pollutant measurement results				
Main smoke and soot generation facilities		No smoke and soot generating facilities		
	Unit	Control content	Control value	Maximum measured
SOx	Total emission control and K-value control: m^3N/h	-	-	-
NOx	Total emission control: m^3N/h,	-	-	-
Particulate	Concentration control: mg/m^3	-	-	-

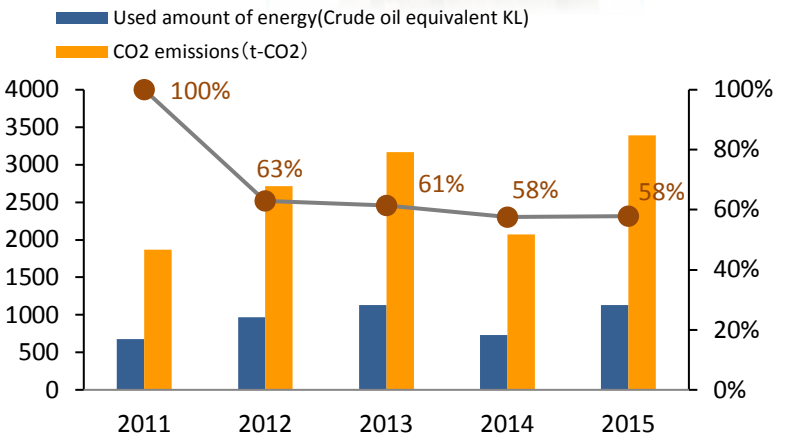
Amount of discharge water	thousand m^3/year	16	
Amount of pollutant in discharge water	COD	kg/year	627
	Nitrogen	kg/year	-
	Phosphorus	kg/year	-

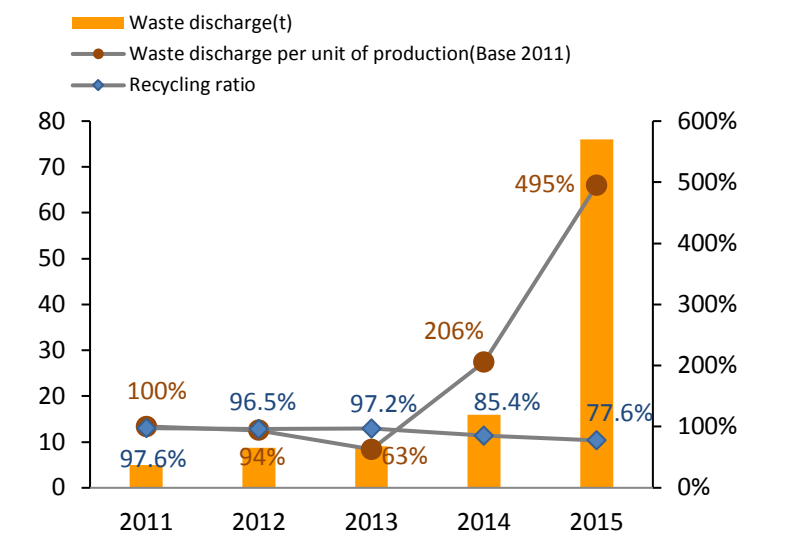
Water pollutant measurement results				
		unit	Control value	Maximum measured
Public water areas	pH	-	6.0 ~ 9.0	7.7 ~ 8.4
	BOD	mg/L	50	36
	COD	mg/L	100	67
	Nitrogen	mg/L	-	-
	Phosphorus	mg/L	-	-
	Hexavalent chromium	mg/L	0.1	0.02
	Lead	mg/L	0.1	0.03
	COD, total emission control	kg/day	-	-
	Nitrogen, total emission control	kg/day	-	-
	Phosphorus, total emission control	kg/day	-	-
	SS	mg/L	100	37
Sewerage lines	pH	mg/L	-	-
	BOD	mg/L	-	-
	COD	mg/L	-	-

Waste discharge	t /year	76
Recycling ratio	%	77.6%

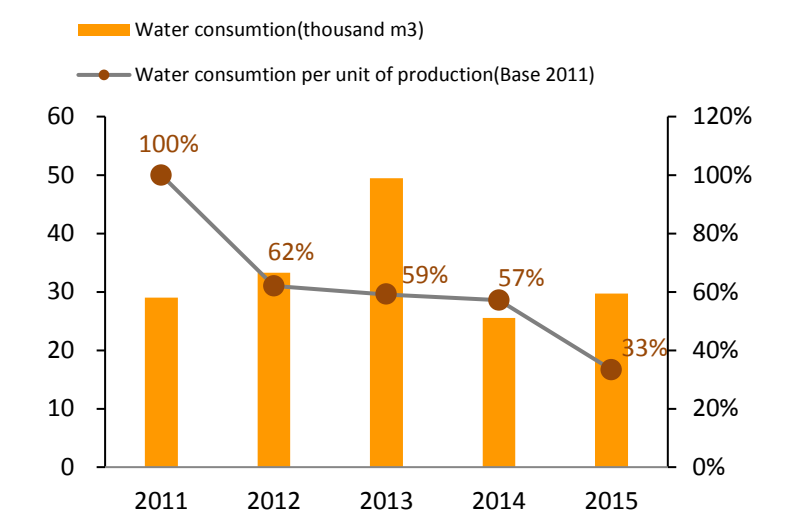
VOC emission*	t /year	13

*We have started using paints and thinners from 2015.





Graph.2 Waste discharge & Recycling ratio



Graph.3 Water consumption

5.Environmental Communication

Promoting energy saving activities to kubota family (Change lamp to LED type at home)

Cleaning around New Factory by PTKI Employees

Tree planting at New factory