

SIAM KUBOTA Corporation (Navanakorn)

1. Outline

Address	101/19-24 Moo 20, Khlongnueng, Khlongluang, Pathumthani, Thailand
Number of employees	1,563
Site area	80,000 m ²
Establishment day*	Aug/2010
ISO14001 certification date	Feb/2003
Site overview	Manufacturing and sales of tractors, combines harvesters, horizontal diesel engines and power tillers, and sales of construction machinery

*Date of merger between The Siam Kubota Industry Co., Ltd. and Siam Kubota Tractor Co., Ltd.



2. Products

Main products



Engine



Power Tiller

3. Environmental policy

1. Follow the Thai law and regulation of occupational health and safety management (ISO45001: 2018) and environmental management (ISO 14001:2015)
2. To engross in incident (accident and occupational disease) via continuously control and improve workplace to employee, supplier, contractor, community and nearby companies.
3. To engross in CSR, Occupational Health and Safety via controlling in environment impact such as dust, smoke, noise, heat, waste water etc and controlling risk of occupational health and safety such as fire prevention, contact with chemical etc follow the Thai law
4. To engross in optimize for energy saving and resource consumption via continuous support activity.
5. Risk management : Continuous control and/or reduce risks of pollutions by continuous improvement and go to zero accident follow the target
6. To promote and support 5S activity to employee, supplier, subcontractor, community and nearby companies to build up the safety workplace, improve work instruction and preventive maintenance of machine, equipment and PPE. For prevention the accident and pollution occur in process
7. To engross and develop occupational health safety and environment to employee and subcontractor
8. To communicate occupational health safety and environment policy to all employees, subcontractor, supplier, community and nearby companies to practice and distribute to public follow the ISO45001:2018, ISO14001:2015
9. Set up the evaluation, management review in target, objective in the occupational health safety and environment and support the resource, budget and training for continuous improvement

Environmental policy



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4.Environmental performance data (Jan. 2018 to Dec. 2018)

Used amount of energy	Crude oil equivalent KL	2,329
Used amount of water	thousand m ³	62
CO₂ emission*	tons CO ₂ e	4,408

*CO₂ emissions from energy sources.

Air Pollutant measurement results				
Main smoke and soot generation facilities		QA Test Run		
	Unit	Control content	Control value	Maximum measured
SOx	ppm	Concentration control	475	2.1
NOx	ppm	Concentration control	100	2.0
Particulate	mg/m ³	Concentration control	120	12

Amount of discharge water	thousand m ³	49	
Amount of pollutant in discharge water	COD	ton / year	7.9
	Nitrogen	ton / year	1.0
	Phosphorus	ton / year	-

Water pollutant measurement results (Data 2018)				
		unit	Control value	Maximum measured
Public water areas	pH	-	6.0 ~ 9.0	7.2, 7.6
	BOD	mg/L	450	12
	COD	mg/L	600	40
	Nitrogen	mg/L	500	7.9
	Phosphorus	mg/L	-	-
	Hexavalent chromium	mg/L	-	-
	Lead	mg/L	-	-
	COD, total emission control	kg/day	-	-
	Nitrogen, total emission control	kg/day	-	-
Sewerage lines	Phosphorus, total emission control	kg/day	-	-
	pH	-	6.0 ~ 9.0	6.7, 7.6
	BOD	mg/L	450	310
	COD	mg/L	600	933*
	SS	mg/L	500	208

Waste discharge	tons	156
Recycling ratio	%	100.0%
VOC emission	tons	43

* Note : COD exceeded the agreed value with the industrial park, but the water was treated below the regulatory standard before discharge.
 Immediate corrective action : by (1) Cleaning oil separator immediately (2) Setting check sheet (3) Increasing the frequency of preventive maintenance.



Item	Unit	Control Value	Actual Value	Remarks
1. pH	-	6.0 ~ 9.0	7.2, 7.6	
2. BOD	mg/L	450	12	
3. COD	mg/L	600	40	
4. Nitrogen	mg/L	500	7.9	
5. Phosphorus	mg/L	-	-	
6. Hexavalent chromium	mg/L	-	-	
7. Lead	mg/L	-	-	
8. COD, total emission control	kg/day	-	-	
9. Nitrogen, total emission control	kg/day	-	-	
10. Phosphorus, total emission control	kg/day	-	-	



5.Environmental Topics

1. LED Changing at High bay 400 W to 90 W Total 472 Units



Energy saving 460,908 Kwh/year
 TON CO2 reduci 240.6 TON

2. Fluorescence Changing from T8 to LED (28 W to 13 W) Total 9,230 units



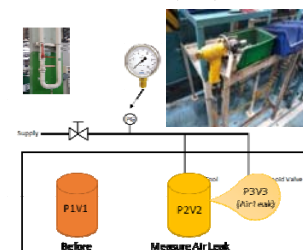
Energy saving 436,117 Kwh/year
 TON CO2 reducing 227.6 TON

3. Motor Hydraulic Energy Saving Total 4 units



Energy saving 2,476 Kwh/year
 TON CO2 reduci 1.3 TON

4. Air Leak improvement (Target 5% Actual 8.18 %)



Energy saving 55,814 Kwh/year
 TON CO2 reducing 29.1 TON

5. Other Activities of Environment



Drying waste water sludge

Reduce was 30.3 tons/year



Improved Oil se

Improved 3 unit : KRDA, KMAX(WH3), KMAX (KK)
To control oil leak to outside factory



Install Chemical spill cabinet

Install 10 units

6. Environmental Communication

SKK 40 year to make a good to social



Content : Training reduce plastic bag, craft fabric bag.

Place: Ayutthaya province (Wat Kok Sung)

Participaints: 65 persons

SKK 40 year to make a good to social



Content : Painting the fence and cleaning the Thaithanee community

Place: Pathumthani province

Participaints: 156 persons

SKK 40 year to make a good to social



Content : Building the vegetable garden at rural area

Place: Kanchanaburi

Participaints: 155 persons

SKK 40 year to make a good to



Content : Check dam

Place: Saraburi

Participaints: 72 persons

SKK 40 year to make a good to social



Content : Tree planting
Place: Nakhon Nayok province

Participaints: 196 persons

Tree: 500 Trees

SKK 40 year to make a good to



Content : Tree planting
Place: Ratchaburi province

Participaints: 210 persons

Tree: 1,000 Trees

Environmental month



Content : Tree planting
Place: KRDA, Employee house

Participaints: 196 persons

Tree: 500 Trees

Environmental month



Content : Tree planting
Place: SKCN, Employee

Participaints: 189 persons

Tree: 500 Trees

Environmental month



Content : Tree planting
Place: Parts center, Employee house

Participaints: 175 persons

Tree: 500 Trees

Environmental month



Content : Tree planting
Place: KMAX, Employee

Participaints: 32 persons

Tree: 200 Trees