

# SIAM KUBOTA Corporation ( Amata City Plant )

## 1. Outline

<b>Address</b>	Amata City Industrial Estate 700/867 Moo 3, T.Nonggaka, A.Panthong, Chonburi 20160
<b>Number of employees</b>	1216 (Dec, 2019)
<b>Site area</b>	323,200 m <sup>2</sup>
<b>Establishment day</b>	2 August 2010
<b>ISO14001 certification date</b>	27 September 2012
<b>Site overview</b>	Manufacturing and sales of Tractors, Combines harvesters and Rotary



## 2. Products

### Main products



Combine Harvester



Tractor



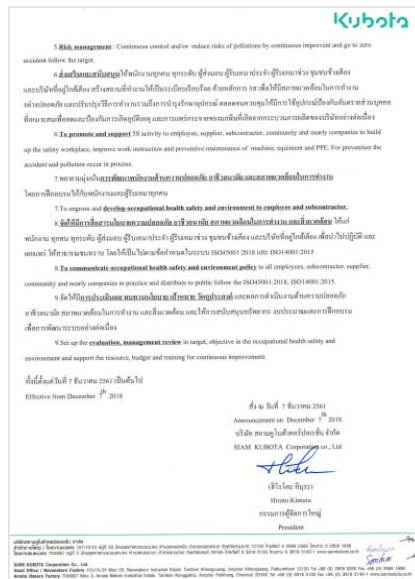
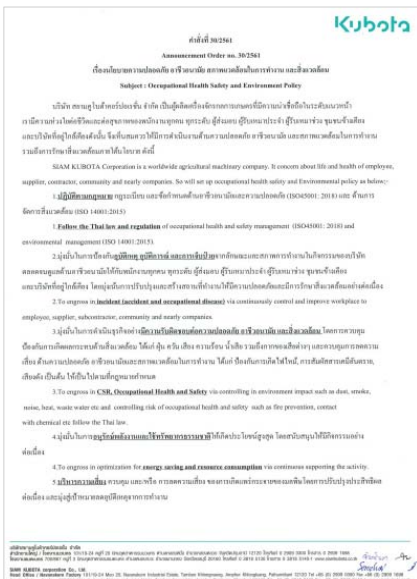
Rotary

## 3. Occupational Health Safety and Environment Policy

1. Follow the **Thai laws and regulations** of occupational health and safety management (ISO 45001:2018) and Environmental Management system (ISO 14001:2015)
2. To engross in **incident (accident and occupational disease)** via continuously control and improve workplace to employees, supplier, subcontractor, community and nearby companies.
3. To engross in **CSR, Occupational Health and Safety** via controlling in environment impact such as dust, smoke, noise, heat, wastewater, etc. and controlling risk of occupational health and safety such as fire prevention, contact with chemicals, etc. follow the Thai law.
4. To engross in optimization for **energy saving and resources consumption** via continuous supporting the 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 **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 ISO 45001:2018, ISO 14001:2015.
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.



Policy card



### Announcement Order No. 30/2018

Subject : Occupational Health Safety and Environment Policy

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## 4.Environmental performance data (Jan. 2019 to Dec. 2019)

<b>Used amount of energy</b>	Crude oil equivalent KL	3,371
<b>Used amount of water</b>	thousand m <sup>3</sup>	138

<b>CO<sub>2</sub> emission*</b>	tons CO <sub>2</sub> e	10,409
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\*CO<sub>2</sub> emissions from energy sources.

Air Pollutant measurement results				
Main smoke and soot generation facilities		Drying furnaces		
	Unit	Control content	Control value	Maximum measured
SOx	ppm	Concentration control	500	<1.3
NOx	ppm	Concentration control	200	<3.8
Particulate	mg/m <sup>3</sup> N	Concentration control	400	10

<b>Amount of discharge water</b>	thousand m <sup>3</sup>	125	
<b>Amount of pollutant in discharge water</b>	COD	tons	21
	Nitrogen	tons	-
	Phosphorus	tons	-

Water pollutant measurement results				
		unit	Control value	Maximum measured
Public water areas	pH	-	-	-
	BOD	mg/L	-	-
	COD	mg/L	-	-
	Nitrogen	mg/L	-	-
	Phosphorus	mg/L	-	-
	Hexavalent chromium	mg/L	-	-
	Lead	mg/L	-	-
	COD, total emission control	kg/day	-	-
	Nitrogen, total emission control	kg/day	-	-
	Phosphorus, total emission control	kg/day	-	-
Sewerage lines	pH	-	5.5 ~ 9.0	6.5, 7.7
	BOD	mg/L	500	120
	COD	mg/L	750	371
	SS	mg/L	200	150

<b>Waste discharge</b>	tons	800
<b>Recycling ratio</b>	%	100%

<b>VOC emission</b>	tons	69
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## 5.Environmental Topics

- Energy Saving**
1. Increase temperature setting of chiller
  2. Shutdown Air compressor at night
  3. Set standard on-off machining center
  4. Reduce oven temperature setting
- Water Reduction**
5. Install pump to supply brine water for gardening
- VOC Reduction and Chemical Control**
6. Reduce %VOC by change painting chemical
- Waste Reduction**
7. Reduce chemical consumption at WWT
- Other improvement**
8. SDS Improvement
  9. Environmental Dojo
  10. Install GSM Alarm
  11. Green procurement 2019

**Energy Saving Projects**

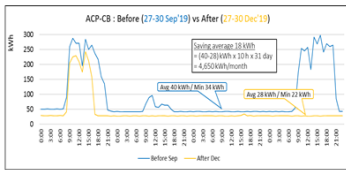
**Increase temperature setting of chiller**



**Result**

Energy Saving	17,766	kWh/Y
CO <sub>2</sub> Reduction	9.27	Ton CO <sub>2</sub> /Y


**Shutdown Air compressor at night**



**Result**

Energy Saving	4,650	kWh/Y
CO <sub>2</sub> Reduction	2.43	Ton CO <sub>2</sub> /Y

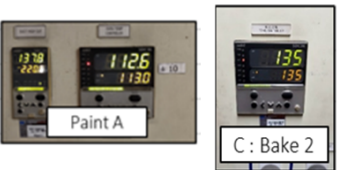
**Set standard on-off machining center**



**Result**

Energy Saving	16,986	kWh/Y
CO <sub>2</sub> Reduction	8.87	Ton CO <sub>2</sub> /Y

**Reduce oven temperature setting**

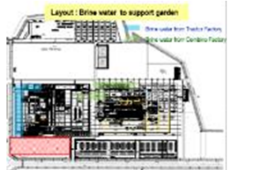


**Result**

Energy Saving (Natural Gas)	1,551	m <sup>3</sup> /Y
CO <sub>2</sub> Reduction	3.43	Ton CO <sub>2</sub> /Y

**Water Saving Projects**

**Install pump to supply brine water for gardening**

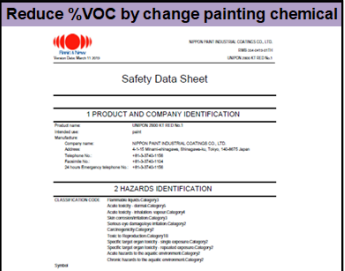


**Result**

Water Saving	3,440	m <sup>3</sup> /Y
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**VOC Reduction and Chemical Control**

**Reduce %VOC by change painting chemical**

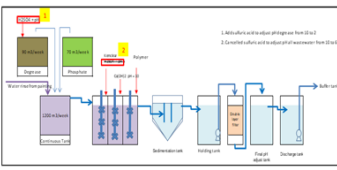


**Result**

VOC Reduction	1,263	kg/Y
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**Waste Reduction Project**

**Reduce chemical consumption at WWT**

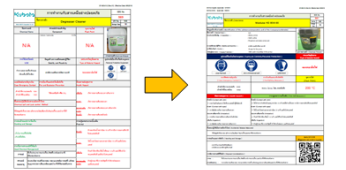


**Result**

Waste Reduction	70	Ton/Y
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**Other Project**

**SDS Improvement**



**Result**

total SDS	590	unit
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**Environmental Dojo**



**Result**

1. Waste station	1	station
2. Chemical management	1	station
3. Chemical spill response	1	station
4. Air leak	1	station

**Install GSM Alarm**



**Result**

WWT&WT at tractor and combine	2	area
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**Green procurement 2019**



**Result**

Total project	19	projects
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