

## Kverneland Group Operations Norway AS

## 1. Outline

<b>Address</b>	Kverneland Group Operation Norway Orstadvæien 62, 4055 Kverneland Norway
<b>Number of employees</b>	481 (Dec, 2020)
<b>Site area</b>	60.000m <sup>2</sup>
<b>Establishment day</b>	1879
<b>ISO14001 certification date</b>	Plan to comply with standard 01.2022.
<b>Site overview</b>	Manufacturing of ploughs, cultivators, etc.



## 2 . Products Main products



Ploughs

## 3 .Environmental policy

1. The Kubota Group aspires to create a society where sustainable development is possible on a global scale.
2. The Kubota Group contributes to the conservation of global and local environments through its environmentally friendly operations, products, and technologies.

## 4.Environmental performance data (Jan. 2020 to Dec. 2020)

<b>Used amount of energy</b>	Crude oil equivalent KL	9,845
<b>Used amount of water</b>	thousand m <sup>3</sup>	23

<b>CO<sub>2</sub> emission*</b>	tons CO <sub>2</sub> e	4,162
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\*CO<sub>2</sub> 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	-	-	-	-
NOx	-	-	-	-
Particulate	-	-	-	-

<b>Amount of discharge water</b>	thousand m <sup>3</sup>	11	
<b>Amount of pollutant in discharge water</b>	COD	kg/year	-
	Nitrogen	kg/year	2700
	Phosphorus	kg/year	0

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	-	6.2 ~ 9.5	7.4, 8.7
	BOD	mg/L	30	10
	COD	mg/L	-	-
	SS	mg/L	-	-

<b>Waste discharge</b>	tons	492
<b>Recycling ratio</b>	%	99.5%

<b>VOC emission</b>	tons	16
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## 5.Environmental Topics

1. All new lightning equipment use LED lights.
2. Annual analysis of discharge water
3. Energy monitors installed on power hungry equipment
4. Evaporate water from inorganic solvents, to send for recycling.
5. Installed one more magnet in unit for cooling towers to sort out more metallic particles (Photo).  
Now counting four magnets (approx. 10% more efficient).



## 6.Environmental Communication

1. Promote sorting of waste for recycling (etc. steel, wood, paper, cardboard, plastics). Established waste sorting guideline (KL-EN-GU-001).
2. Use 2-sided printing as standard.
3. Digitalization development of factory to reduce paper waste.
4. HSE information on each production information sheet.
5. Safety flash report on Environmental issue cases, with corrective actions to be done