

Great Plains Manufacturing, Inc. - Abilene Manufacturing Plant

1. Outline

Address	1100 NW 8th, Abilene, KS 67410, USA
Site area	17,745 m ²
Establishment year	1989
ISO14001 certification date	Not Certified
Site overview	Manufacturing All-Flex Mowers, Zero Turn Mowers, Flail Mowers, Grooming Mowers, Single Spindle Rotary Cutters, etc.



2. Products Main products



All-Flex Mowers

3. Environmental policy

Great Plains Environmental Policy (2018): Our current policy is to meet or exceed the compliance standards set forth by the EPA and Kansas Department of Health and Environment in the areas of Air, Water, Hazardous Waste, and General waste. We also look for methods to reduce our environmental footprint in those areas. These is no formal written policy.

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

Used amount of energy	Crude oil equivalent KL	2,106
Used amount of water	thousand m ³	13

CO₂ emission*	tons CO ₂ e	4,574
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*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	-	-	-	-
NOx	-	-	-	-
Particulate	-	-	-	-

Amount of discharge water	thousand m ³	13	
Amount of pollutant in discharge water	COD	kg	-
	Nitrogen	kg	-
	Phosphorus	kg	-

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	-	5.0 ~ 10.0	9.8
	BOD	mg/L	-	-
	COD	mg/L	-	-
	SS	mg/L	-	-

Waste discharge	tons	529
Recycling ratio	%	85.9%

5. Environmental Topics

- Concentrated on reduction of solid waste (cardboard, plastic, aluminum) and office paper. The facility put together an initiative to remove all styrofoam and now has individual and paper cups for coffee. That reduction alone saved approximately \$15,000. Currently producing about 2 Tons of waste cardboard per month. Continuing to work on segregation and transport.
- Introduced controls on industrial washer system reducing water usage by approximately 12-15 thousand gallons per day, and saving on electrical and natural gas usage. Overall cost saving projected at over 100 thousand per year on energy costs.



6. Environmental Communication

- Participated in Environmental month and focused on reduction of solid waste. Beginning to set up the recycling program.