

## Great Plains Manufacturing, Inc. - Lucas Manufacturing Plant

## 1. Outline

|                                    |   |  |
|------------------------------------|---|--|
| <b>Address</b>                     | 240 S. Greeley, Lucas, KS 67648, USA  |  |
| <b>Site area</b>                   | 10,312 m <sup>2</sup>   |  |
| <b>Establishment year</b>          | 1992  |  |
| <b>ISO14001 certification date</b> | Not Certified   |  |
| <b>Site overview</b>               | Manufacturing Rotary Cutters, Parallel Arm Rotary Cutters, Primary Seeders, Drag Scrapers, etc. |  |



## 2 . Products Main products



Rotary Cutters

## 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. There is no formal written policy.

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

|                              |                         |       |
|------------------------------|-------------------------|-------|
| <b>Used amount of energy</b> | Crude oil equivalent KL | 1,558 |
| <b>Used amount of water</b>  | thousand m <sup>3</sup> | 0.3   |

|                                 |                        |       |
|---------------------------------|------------------------|-------|
| <b>CO<sub>2</sub> emission*</b> | tons CO <sub>2</sub> e | 3,587 |
|---------------------------------|------------------------|-------|

\*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 |
| SO <sub>x</sub>                           | -    | -                                       | -             | -                |
| NO <sub>x</sub>                           | -    | -                                       | -             | -                |
| Particulate                               | -    | -                                       | -             | -                |

|   |                         |     |   |
|---|-------------------------|-----|---|
| <b>Amount of discharge water</b>              | thousand m <sup>3</sup> | 0.3 |   |
| <b>Amount of pollutant in discharge water</b> | 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                               | -      | -             | -                |
|                                     | BOD                              | mg/L   | -             | -                |
|                                     | COD                              | mg/L   | -             | -                |
|                                     | SS                               | mg/L   | -             | -                |

|                        |      |       |
|------------------------|------|-------|
| <b>Waste discharge</b> | tons | 338   |
| <b>Recycling ratio</b> | %    | 79.7% |