**Texas Commission on Environmental Quality**

**INDUSTRIAL/MINING WATER CONSERVATION PLAN**

This form is provided to assist entities in conservation plan development for industrial/mining water use. If you need assistance in completing this form or in developing your plan, please contact the conservation staff of the Resource Protection Team in the Water Availability Division at (512) 239-4691.

|  |  |
| --- | --- |
| Name: | Click to add text. |
| Address: |       |
| Telephone Number: | (   )       | Fax: (   )       |
| Form Completed by: |       |
| Title: |       |
| Signature: |  | Date:  /  /     |

**NOTE: If the plan does not provide information for each requirement, include an explanation of why the requirement is not applicable.**

#  BACKGROUND DATA

## Water Use

### Annual diversion appropriated or requested (in acre-feet):

### Maximum diversion rate (cfs):

## Water Sources

### Please indicate the maximum or average annual amounts of water currently used and anticipated to be used (in acre-feet) for industrial/mining purposes:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *Source* |  | *Water Right No.(s)* |  | *Current Use* |  | *Anticipated Use* |
| Surface Water |  |       |  |       |  |       |
| Groundwater |  |       |  |       |  |       |
| Purchased |  |       |  |       |  |       |
| **Total** |  |       |  |       |  |       |

### How was the surface water data and/or groundwater data provided above (B1) obtained?

Master meter      ; Customer meter      ; Estimated      ; Other

### Was purchased water raw or treated?

 If both, % raw      ; % treated       and Supplier(s):

## Industrial/Mining Information

### Major product(s) or service(s) produced by applicant:

### North American Industry Classification System (NAICS):

#  WATER USE AND CONSERVATION PRACTICES

## Water Use in Industrial or Mining Processes

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *Production Use* |  | *% Groundwater* |  | *% Surface Water* |  | *% Saline Water* |  | *% Treated Water* |  | *Water Use (in acre-ft)* |
| Cooling, condensing, & refrigeration |  |       |  |       |  |       |  |       |  |       |
| Processing, washing, transport |  |       |  |       |  |       |  |       |  |       |
| Boiler feed |  |       |  |       |  |       |  |       |  |       |
| Incorporated into product |  |       |  |       |  |       |  |       |  |       |
| Other |  |       |  |       |  |       |  |       |  |       |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *Facility Use* |  | *% Groundwater* |  | *% Surface Water* |  | *% Saline Water* |  | *% Treated Water* |  | *Water Use (in acre-ft)* |
| Cooling tower(s |  |       |  |       |  |       |  |       |  |       |
| Pond(s) |  |       |  |       |  |       |  |       |  |       |
| Once through |  |       |  |       |  |       |  |       |  |       |
| Sanitary & drinking water |  |       |  |       |  |       |  |       |  |       |
| Irrigation & dust control |  |       |  |       |  |       |  |       |  |       |

### Was fresh water recirculated at this facility? [ ]  Yes [ ]  No

### Provide a detailed description of how the water will be utilized in the industrial or mining process.

### Estimate the quantity of water consumed in production and mining processes and is therefore unavailable for reuse, discharge or other means of disposal.

###  Monthly water demand for previous year (in acre-feet).

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | *Month* |  | *Diversion Amount* |  | *% of Water Returned (If Any)* |  | *Monthly Demand* |  |
|  | January |  |       |  |       |  |       |  |
|  | February |  |       |  |       |  |       |  |
|  | March |  |       |  |       |  |       |  |
|  | April |  |       |  |       |  |       |  |
|  | May |  |       |  |       |  |       |  |
|  | June |  |       |  |       |  |       |  |
|  | July |  |       |  |       |  |       |  |
|  | August |  |       |  |       |  |       |  |
|  | September |  |       |  |       |  |       |  |
|  | October |  |       |  |       |  |       |  |
|  | November |  |       |  |       |  |       |  |
|  | December |  |       |  |       |  |       |  |
|  | **Totals** |  |       |  |       |  |       |  |

### Projected monthly water demand for next year (in acre-feet).

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | *Month* |  | *Diversion Amount* |  | *% of Water Returned* |  | *Monthly Demand* |  |
|  | January |  |       |  |       |  |       |  |
|  | February |  |       |  |       |  |       |  |
|  | March |  |       |  |       |  |       |  |
|  | April |  |       |  |       |  |       |  |
|  | May |  |       |  |       |  |       |  |
|  | June |  |       |  |       |  |       |  |
|  | July |  |       |  |       |  |       |  |
|  | August |  |       |  |       |  |       |  |
|  | September |  |       |  |       |  |       |  |
|  | October |  |       |  |       |  |       |  |
|  | November |  |       |  |       |  |       |  |
|  | December |  |       |  |       |  |       |  |
|  | **Totals** |  |       |  |       |  |       |  |

## Specific and Quantified Conservation Goal

Water conservation goals for the industrial and mining sector are generally established either for (1) the amount of water recycled, (2) the amount of water reused, or (3) the amount of water not lost or consumed, and therefore is available for return flow.

### Water conservation goal (water use efficiency measure)

Type of goal(s):

      % reused water

      % of water not consumed and therefore returned

      Other (specify)

### Provide specific and quantified five-year and ten-year targets for water savings and the basis for development of such goals for this water use/facility.

### Describe the methods and/or device(s) within an accuracy of plus or minus 5% used to measure and account for the amount of water diverted from the supply source.

### Provide a description of the leak-detection and repair, and water-loss accounting measures used.

### Equipment and/or process modifications used to improve water use efficiency.

### Other water conservation techniques used.

***Best Management Practices***

*The Texas Water Developmental Board’s (TWDB) Report 362 is the Water Conservation Best Management Practices (BMP) guide. The BMP Guide is a voluntary list of management practices that water users may implement in addition to the required components of Title 30, Texas Administrative Code, Chapter 288. The Best Management Practices Guide broken out by sector, including Agriculture, Commercial, and Institutional, Industrial, Municipal and Wholesale along with any new or revised BMP’s can be found at the following link on the Texas Water Developments Board’s website:* [*http://www.twdb.state.tx.us/conservation/bmps/index.asp*](http://www.twdb.state.tx.us/conservation/bmps/index.asp)

Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, contact 512-239-3282.