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 Supply Division at (512) 239-4691.

Name: _____

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.

I. BACKGROUND DATA

A. Water use

1. Annual diversion appropriated or requested (in acre-feet): _____

2. Maximum diversion rate (cfs): _____

_____B. Water sources_____

1. 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 (List water right numbers)	Current Use	Anticipated Use

_____Surface water _____ _____

_____Groundwater _____ _____

_____Purchased _____ _____

_____**TOTAL** _____ _____

2. How was the surface water data provided above (B1) obtained?

   Master meter ___ ; Customer meter____ ; Estimated ____ ; Other ____
   If other, identify source: _____

3. Was purchased water raw____ or treated ____ ? If both, % raw ____ , % treated ____.
   Supplier(s): _____

4. How was the groundwater data provided above (B1) obtained?

   Master meter____ ; Customer meter____ ; Estimated____ ; Other
   If other, identify source: _____

5. What is the rate and cost of purchased water? Rate _____
   Cost _____

C. Industrial/Mining Information

1. Major product or service produced by applicant:
   _____
   _____

2. Major Standard Industrial Classification Code: ____

3. Total number of employees at facility: _____

II. WATER USE AND CONSERVATION PRACTICES

A. Water Use in Industrial or Mining Process:

Production Use	% Groundwater	% Surface Water	% Saline Water	% Treated Water	Water Use (In Acre-Feet)
Cooling, condensing, & refrigeration					

Production Use	% Groundwater	% Surface Water	% Saline Water	% Treated Water	Water Use (In Acre-Feet)
Processing, washing, transport					
Boiler feed					
Incorporated into product					
Other					

Facility Use	% Groundwater	% Surface Water	% Saline Water	% Treated Water	Water Use (In Acre-Feet)
Cooling tower(s)					
Pond(s)					
Once through					
Sanitary & drinking water					
Irrigation & dust control					

1. Was fresh water recirculated at this facility? Yes ____ No ____

2. Was electric power generated at this facility (for in-plant use or for sale)? Yes ____ No ____

3. Description of the above use(s) of water (e.g., if water is being used for cooling, indicate the cooling system: tower, pond, etc.):

_____

_____

_____

4. Describe or illustrate how surface water is diverted and delivered to the point(s) of use, the location of the diversion(s) and points of use, and how diversions are measured:

_____

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

	Diversion	Percent of Return Flow	Monthly Demand
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			
TOTAL			

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

	Diversion	Return Flow	Percent of Monthly Demand
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			
TOTAL			

B. 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.

1. Water conservation goal (water use efficiency measure):

Type of goal to be used:
___ Percent of water reused
___ Percent of water not consumed, and therefore returned as flow
___ Other (specify)

2. Provide the 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:

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

4. Leak-detection, repair, and water-loss accounting measures used:

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

efficiency:

6. Other conservation techniques used:

III. WASTEWATER USE CHARACTERISTICS

A. Check the type(s) of wastewater disposal system(s) used at this facility:

On-site wastewater plant ____
Septic tank(s) ____
Injection well(s) ____
City or regional wastewater system ____
Other ____ (Please identify)

B. What quantity of fresh water was consumed, and therefore not returned to a wastewater treatment system (public or private), or to a water course (including loss to product, evaporation, injection, etc.)?

IV. ADDITIONAL COMMENTS/INFORMATION

Please provide any additional information that may indicate the present and future water needs at this facility, and any water problems.

Best Management Practices Guide

On November 2004, the Texas Water Development Board's (TWDB) Report 362 was completed by the Water Conservation Implementation Task Force. 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 BMP Guide is available on the TWDB's website at the link below or by calling (512) 463-7847.

http://www.twdb.state.tx.us/assistance/conservation/TaskForceDocs/WCITFBMPGuide.pdf