To whom it may concern:

The information you provide will help research scientists at the Bureau of Economic Geology at the University of Texas at Austin prepare an accurate account of overall water use in the **industrial mineral mining industry** for the State Water Plan developed by the Texas Water Development Board. Additionally, predictions of future water use will be made to assist water planners in forecasting future water needs.

Thank you for your time and patience in filling out the following questionnaire to the best of your ability. For ease of filling out the survey, we have also included an optional excel spreadsheet asking for the same information. Choose the more convenient of the two formats (not both). Please note that all answers are confidential. Only results aggregated at the county level will be released to the public.

When completed, please scan the questionnaire and email to jp.nicot@beg.utexas.edu or fax to (512) 471-0140 to the attention of J.-P. Nicot or mail to the Bureau at J.-P. Nicot, Bureau of Economic Geology, University Station, Box X, Austin, TX 78713-8924.

Please contact Russ Baier at (512) 986-4195 or (512) 785-1668 (cell) or rbaier@austin.rr.com if you have any question.

Date:

Name of Company & Mining Operation (including SIC or SICs):

County of Mine Location:

Contact Name, Phone, E-mail, and Address:

1) Please provide a brief description of your mining process, the ways that water is used at the facility, and the ways that water use is monitored or estimated (flow charts are OK). Please separate, if possible, the industrial mineral mining operations from other product manufacturing (cement, brick, etc.) that may occur on the same property.

2) Water Amount and Water Use. Please report the amount (specify unit: gallons, acre feet, etc) of water used, the amount recycled (actual or percentage), and the net amount consumed in mining operations annually (or another time unit, in all cases, specify).

Please break this into amounts for each type of use (extraction, rock washing, roadway watering, dust suppression on conveyor systems, etc.), if possible.

Please break this into amounts obtained from surface water, groundwater, storm water, etc. and name the source water (stream, lake, aquifer, etc.). Please also note the water quality (fresh, brackish, saline)

Please report the amount of water typically used in rock washing equipment in gallons per minute/ton per hour (gpm/tpy) of mineral product processed.

Is water discharge out of the facility boundaries sometimes needed? When? How much? Which water type?

Are these monitored or estimated values? Based on what years?

3) Production. Please report maximum aggregate, sand& gravel, or other industrial mineral mining production (in tons) authorized per year, and an estimate of the range of typical production in recent years. Is production expected to increase, decrease, or remain unchanged in coming years?

4) Future Water Use. How many years has the mine been in operation and what is the projected life of the facility? Are any new industrial mineral mining operations by your company anticipated (if so, where and when)?

What, if any, plans have been made to reduce water use or identify alternative water sources if water supply is reduced or becomes more expensive?

What techniques or technologies could be utilized to reduce water use in the industrial mineral mining industry? Is use of saline or brackish water possible or likely to become more common?

What are the key issues or challenges regarding water use being faced by your industry today or in the future?

	Product Name	Typical Production (tpy)	Authorized Production (tpy)	Number of Years of Mine Operation	Projected Life of Facility
Product1					
Product2					
Product3					

Is water use estimated or monitored? Which is the base year?

Is production expected to increase, decrease, or remain unchanged in coming years?

Are any new mineral mining operations by your company anticipated (if so, where and when)?

What, if any, plans have been made to reduce water use or identify alternative water sources if water supply is reduced or becomes more expensive?

What techniques or technologies could be utilized to reduce water use in your industry? Is use of saline or brackish water possible or likely to become more common?

What are the key issues or challenges regarding water use being faced by your industry today or in the future?