



# State of Utah

DEPARTMENT OF ENVIRONMENTAL QUALITY  
OFFICE OF PLANNING AND PUBLIC AFFAIRS

Michael O. Leavitt  
Governor

Dianne R. Nielson, Ph.D.  
Executive Director

Leah Ann Lamb  
Director

## MEMORANDUM

TO: Kevin Brown  
Dennis Downs  
Kent Gray  
Don Ostler  
Bill Sinclair  
Ursula Trueman  
Leah Ann Lamb

FROM: Stephanie Bernkopf  
Pre-Design Coordinator

DATE: May 22, 1997

SUBJECT: Pre-design conference for COVOL Technologies, Inc.

A pre-design conference has been scheduled for Friday, May 30, 1997 at 10:00 a.m. in Room 205, Building #2 at 168 North 1950 West, SLC.

The pre-design conference is for a COVOL Technologies, Inc. The company is proposing to construct a new coal wash facility adjacent to waste impoundments at a former coal wash plant near Wellington, Utah.

A copy of their letter requesting a pre-design conference is attached. Please send a representative from your division. Thank you.

Attachment

cc: Scott Anderson, DSHW  
Kiran Bhayani, DWQ  
Ralph Bohn, DSHW  
Mike Georgeson, DDW  
Nathan Guinn, DWQ  
Harry Campbell, DWQ  
Craig Jones, DRC  
C.C. Patel, DAQ  
Lynn Menlove, DAQ  
Bryan Whitaker, DERR  
Claron Bjork, Southeastern Utah District County Health Dept.  
Dave Ariotti, District Engineer  
Mary Ann Wright, Division of Oil, Gas, and Mining



COVOL

TECHNOLOGIES, INC.



20 May 1997

"Recycling yesterday's waste into tomorrow's resources."

Ms. Stephanie Bernkopf  
Utah Department of Environmental Quality  
Office of Planning and Public Affairs  
168 North 1950 West  
Salt Lake City, UT 84116

*ACT/007/012 #2*

Re: Pre-Design Conference for a New Coal Wash Plant Near Wellington, Utah

*Copy Sharon, Harlan  
& Paul (both sides)*

Dear Ms. Bernkopf:

Covol Technologies, Inc. has developed and patented a unique process for turning waste coal fines into a solid synthetic fuel. Covol is using this technology at its synthetic fuel plant located in Wellington, Utah and is developing facilities to use the technology at other locations in the United States. The main ingredient in this process is the largely unusable coal fines generated by coal mining operations. Covol reclaims coal fines from waste disposal facilities and transports them to a synthetic fuel plant for processing into usable fuel.

Covol has a lease from Earthco for the coal wash refuse located in the waste impoundments at the former coal wash plant near Wellington, Utah. These ponds contain about 5 million tons of wasted coal fines and non-combustible sand, silt, and clay. We intend to reclaim the impoundments and process them through a new coal wash plant which will allow us to recover the coal fraction. The rest of the non-combustible material will be slurried to a new tailings storage facility to be built on the same site as the existing ponds. The new coal wash plant will be built adjacent to the current waste impoundments and the recovered coal fines will be hauled to our existing Wellington synthetic fuel plant. When we are done with this process, we hope to have reduced the volume of waste in the existing ponds by approximately 50 to 75 percent, reduced the disturbed area by a significant amount, and produced more than 2 million tons of usable fuel from the former waste. Our plan is to make this project a win-win for both Covol and the environment.

Covol has retained JBR Environmental Consultants, Inc. To assist us with permitting this project. Brian Buck of JBR recently contacted you to request a Pre-Design conference where we could discuss our project with representatives of the DEQ divisions. We would like to schedule this to occur during the week of May 26th, if possible. If you have any questions or comments, please contact me at (801) 768-4481 or Brian Buck at 943-4144. Thank you for your assistance.

Very truly yours,  
Covol Technologies, Inc.

*Harlan M. Hatfield*  
Harlan M. Hatfield