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GIS Technology

Suzanne Steab <suzannesteab@utah.gov>

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Hello Everyone,

Please see the attached.

Thank you!

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 **GISTechnology.pdf**
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DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

November 5, 2014

Greetings:

Recently, the upper management of the Department of Natural Resources (DNR) launched a department wide initiative to utilize geographic information system (GIS) technology. As I'm sure you're already aware, GIS technology is an effective and powerful tool in capturing, managing, analyzing and displaying geographically referenced information. To that end, the Division of Oil, Gas and Mining (DOGGM) has begun the process of compiling data-sets relative to coal mining.

Our goal is to produce simple, easy to use internet based GIS applications that can be utilized by both the general public as well as our staff. At this point, we foresee producing various sub-sets of maps based on discipline (i.e. hydrology, biology etc). The maps would then be available on hand held devices in the field and also on our web-site.

The purpose of this letter is to request your help in this effort. Specifically, we would like you to provide us with spatial data of the maps included in your permit and underground mine workings in a format that can be incorporated into GIS. Ideally, an ArcGIS shape file would be preferred with the Nad 83 UTM Zone 12N Coordinate System. However; if you do not have this information in a Shapefile or Geodatabase format, a computer aided design file (CAD) would work as well. If providing a dwg file, please identify the Coordinate Reference System used.

The permit data would be utilized in updating our public records map. The mine workings data would be used solely by Division staff for technical reviews/analysis and would not be made available to the public. As the mine workings information is already routinely submitted with annual reports as well as to other regulatory agencies, our hope is that this request will not cause undo concern.

Thank you in advance for your help. If you have suggestions for something that you would like to see in an interactive on-line GIS application please let us know. Our contact person to e-mail the files to and/or ask questions is Lisa Reinhart (801)538-5437, lreinhart@utah.gov.

Sincerely,

Dana Dean, P.E.
Associate Director

DD/lr/ss