Dear Mr. Carpen

Thank you for your recent letter and enclosures. My comments are as follows:

**GEOLOGY Page 14, Para 27**

This assumption must be speculation. The very presence of salt, especially at sea level, where water and damp pervade and are always present – together with continual ground movement, adds to the permeation of gas caverns. There is always the risk of an explosion, which was evident when a well head exploded on 18th June 2011. It would appear that Halite have no safety control over these explosions and cannot give a cast iron guarantee that there will not be any future explosions of this sort.

The British Geological survey showed potential for collapse of brine wells where salt beds are invaded by water.

**SEISMIC RISK Page 14, Paras 34 & 35**

Any drilling, so deep into the earth, such as shale gas exploration, WILL ALWAYS BE HAZARDOUS AND DANGEROUS. You cannot have a “very little hazard” to earthquakes when 800 rigs will be erected in due course. As we have experienced in Wyre on 1st April and 27th May 2011, CUADRILLA caused two earthquakes which violently shook our properties. Nearby fracking involves horizontal drilling for 1 1/2 To 2 miles which brings it within the vicinity of the gas caverns and poses a serious threat to public safety.

Para 36. As we have already experienced explosion – should this occur again – and it is reasonable to expect this- a “domino” effect will be created jeopardising the containment of 900 million cubic metres of gas. This would be far more serious than Chernobyl.

Para 37. The simple answer is “It won’t” This whole area has been tried before for gas storage and found to be completely unsuitable due to ground movement, permeability and closeness to the erosion of the River Wyre and large residential areas. The site covers old mine workings.
Para 38  Gas will inevitably escape into the 9 mile sewage tunnel from Fleetwood to South Shore, Blackpool and compromise the waste water treatment works. United Utilities are concerned over the risk of explosion which could occur anywhere along the sewage tunnel. There could be loss of life and untold damage if this happened in the holiday town of Blackpool. The same applies to Over Wyre and Fleetwood.

Landscape Page 16, Para 4 The tall buildings of the various compounds constitute a “blot” on this beautiful part of Lancashire and should not be allowed. The large booster station, gas compressor compound, well head compounds, pump station – horrendous visual impact – all “eyesores” in this Wyre area of natural Beauty.

Derek. Booth.