

## Dawn Paton

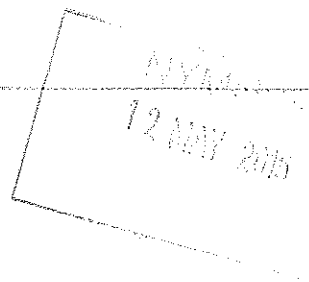
---

**From:** Mark Hill  
**Sent:** 12 May 2015 13:54  
**To:** Planning  
**Subject:** FW: Ebberston Moor - EMS to KGS Pipeline - NYMNPA  
**Attachments:** EMS-Knapton - Water Injection Influence plan.jpeg

Please book in and place on website.  
mark

---

**From:** Paul Foster  
**Sent:** 12 May 2015 12:25  
**To:** Mark Hill  
**Cc:** [nigel.darcy](mailto:nigel.darcy)  
**Subject:** FW: Ebberston Moor - EMS to KGS Pipeline - NYMNPA



Mark

As promised, I attach a higher definition plan showing the areas of influence of water re-injection. The question raised by the Members at the Planning Committee meeting on 19<sup>th</sup> March 2015 was how did the proposed water injection volume at EMS interface with the potential injected volume of 1344m<sup>3</sup> at the Ebberston Moor 'A' well site under the existing consented scheme and what was, if any, the cumulative effect. It can be seen from the detail that the zone of influence for the water re-injection (dashed blue circle – 'Injection Bubble') extends for approx. 0.5km from Ebberston Moor Wells Site when the proposed volume of injected water is 556m<sup>3</sup>. The corresponding zone of influence for the EM 'A' project proposal extends for a diameter of approx. 1km around the well site as indicated and therefore there is no direct interface.

As regards the interaction with significant faults in the immediate area, there are two fault areas to consider. Firstly, the Fault trending N-S on the top right hand side of the map (dashed red line) is the Peak Fault, a Jurassic aged fault which is bounded to the western part of the Sole Pit trough. Secondly, the Fault trending E-W along the bottom of the map (dashed red line) doesn't officially have a name (although it is known locally as the Helmsley-Filey fault). It demarcates the northern limit of the Vale of Pickering rift system initiated back in the Permian. As can be seen both fault zones mentioned above are a considerable distance from the proposed water injection point and are therefore not directly affected by the proposed scheme. It should be noted that all the existing well sites on Ebberston Moor are marked (black dots) for information and there is no current or future proposal to inject water at these sites and therefore no assessment of any interaction or cumulative effect is necessary.


Regards

**Paul Foster**  
Director

Planning . Design . Delivery  
**bartonwillmore.co.uk**  
St Andrews House  
St Andrews Road  
Cambridge  
CB4 1WB

Please consider the environment before printing this email

1/1

 Follow @bartonwillmore

490000

500000

EBBERSTON MOOR SOUTH  
to  
KNAPTON GENERATING STATION  
PIPELINE PROJECT  
Zone of Influence from Water Injection



- KEY:
- Existing wells
  - Fault Lines
  - Zone of Influence around Well Site



490000

490000

480000

480000

