Annex 5

KGSP PINS S51 Response Letter Feb 2016

Environmental Statement – Doc Ref 6.1
Chapter 14 – Landscape and Visual Impact Assessment
Revised Table 14.1 (Page 14 -2)

Design Element	Description
Gas storage cavities and associated wellheads and compounds	• Nineteen cavities will be created by solution mining and each will have an associated surface wellhead and compound. • A 60 m x 80 m construction, laydown and operational area will be required at each location. • The size of each compound will be reduced to 50 m x 50 m for the solution mining and gas storage phases. • Each compound will contain various ancillary equipment up to 3 m in height.
Pipelines	• These will include underground water, brine and gas pipelines connecting the Project with the existing INOVYN Enterprises infrastructure. • In advance of laying the pipelines, topsoil stripping and excavation will be required for the pipeline corridors which will be a minimum width of 25 m.
Gas Processing Plant (GPP)	• This will have a footprint of c. 4 ha (including the cold vent area) and will contain equipment with a typical height of between 3 and 5 m, with certain elements, such as the compressor house and drying towers, up to 10m high and vents up to 25 m high. • Much of the equipment will be housed in buildings made from either brick or metal cladding painted to blend with surroundings.
Gas Marshalling Compounds (GMC)	• The two GMCs will comprise structures with a footprint of 50 m x 50 m and will be up to c. 3 m in height.
Solution Mining Compound (SMC)	• The SMC (in use for the duration of the solution mining activities) will have a footprint of approximately 80 m x 130 m. • Various ancillary equipment, including water booster pumps, degassing equipment and local pumping and control equipment will be up to c. 4 m in height, with nitrogen storage unit vent approximately 9 m high.
NTS Connection Compound	• The NTS connection compound will have a footprint of approximately 50m x 60m, with the highest item of equipment being less than 3 m.
New Sub-Station 132KV033KV	• This will feed the GPP via a combination of overhead / buried33kV powerlines. • The footprint will be approximately 50 m x 80 m. • The approximate height of the switch /control room will be 4 m and the electrical equipment will be up to 8 m high. • A new pylon to the 132kV overhead line, located adjacent to an existing pylon.
Site access and internal access roads	• The project will be accessed from the public highway through an existing access point on King Street (A530) at Drakelow Farm. All construction traffic (including all HGVs) will use this road so that it does not travel through surrounding villages. • Internal site roads will provide access during construction, operation and decommissioning. Roads will typically be single lane (c. 4m wide) with some allowing for two-way traffic (c. 7 m wide) with passing places and constructed of crushed stone with asphalt top.