50m RADIUS IMPACT ZONE FROM BRINE DISCHARGE. HYPER SALINE WATER WILL BE RELEASED TO THE IRISH SEA DURING CONSTRUCTION AND OPERATION.

ROSSALL SEAWALL CONSTRUCTION PHASE COMPOUND: SECTIONS OF THE SEAWALL WILL BE REMOVED DURING THE CONSTRUCTION PHASE. THE DEFENCE WILL BE RESTORED TO MAINTAIN THE STANDARD OF PROTECTION.

SATURATED BRINE OUTFALL PIPE: EA STANDARD OF 40PPT SALINITY AT 50m FROM THE OUTFALL ACHIEVED.

ENVIRONMENT AGENCY STANDARD OF AMBIENT +10% SALINITY AT 500 METRES FROM THE OUTFALL ACHIEVED WITHIN 250 METRES.

50m RADIUS IMPACT ZONE FROM BRINE DISCHARGE. HYPER SALINE WATER WILL BE RELEASED TO THE IRISH SEA DURING CONSTRUCTION AND OPERATION.

ENVIRONMENT AGENCY STANDARD OF AMBIENT +10% SALINITY AT 500 METRES FROM THE OUTFALL ACHIEVED WITHIN 250 METRES.

SEA WATER PUMPED THROUGH PIPES AT LEAST 8m BELOW THE BED OF THE WYRE ESTUARY.

ELECTRICAL CABLES CONSTRUCTED AT LEAST 8m BELOW THE BED OF THE WYRE ESTUARY.

FLOOD DEFENCE

FLOOD RISK: CONSTRUCTION WORKS - INCREASE IN IMPERMEABLE AREAS

EXISTING FLOOD DEFENCES

APPROXIMATE LOCATION OF WELLHEAD COMPounds

AREAS FOR CAVERN DEVELOPMENT

RECEPTOR KEY

ECOLOGICAL/FISHERIES

SURFACE WATER QUANTITY

GROUNDWATER

EA SPZ - TOTAL CATCHMENT

EA SPZ - OUTER ZONE

EA SPZ - INNER ZONE

WYRE ESTUARY

IRISH SEA
POTENTIAL POLLUTION INCIDENTS TO GROUNDWATER DURING THE CONSTRUCTION, OPERATION AND DECOMMISSIONING PHASES

GAS COMPRESSOR COMPOUND

RECEPTOR KEY

ECOLOGICAL/FISHERIES
BRINE OUTFALL DISCHARGE
SURFACE WATER QUANTITY
FLEETWOOD FISH DOCK ABSTRACTION

GROUNDWATER
EA SPZ - TOTAL CATCHMENT
EA SPZ - OUTER ZONE
EA SPZ - INNER ZONE

FLOOD RISK
CONSTRUCTION WORKS - INCREASE IN IMPERMEABLE AREAS
EXISTING FLOOD DEFENCES
APPROXIMATE LOCATION OF WELLHEAD COMPOUNDS
AREAS FOR CAVERN DEVELOPMENT

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PREESALL UNDERGROUND GAS STORAGE FACILITY
WATER ENVIRONMENT FEATURES

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POTENTIAL POLLUTION INCIDENTS TO GROUNDWATER DURING THE CONSTRUCTION, OPERATION AND DECOMMISSIONING PHASES

RECEPtor KEY

ECOLOGICAL/FISHERIES
- BRINE OUTFALL DISCHARGE

SURFACE WATER QUANTITY
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