

APPENDIX 7

Summary of Potential Impacts of Rothes FAS

Key:			
Beneficial Impacts		Adverse Impacts	
✓✓✓✓	Major	XXXX	Major
✓✓✓	Moderate	XXX	Moderate
✓✓	Minor	XX	Minor
✓	Negligible	X	Negligible
O	No Impact		

Description of Impact	Construction Phase		Operational Phase	
	Impact	Residual Impact	Impact	Residual Impact
Land Use and Local Community				
Disturbance to Local Community	XXXX	XXX	✓✓✓✓	✓✓✓✓
Disturbance to Residential Property	XXX	XX	✓✓✓✓	✓✓✓✓
Disturbance to the Local Businesses	XXX	XX	✓✓✓	✓✓✓
Disturbance to Agricultural Land and Practices	XX	X	XX	XX
Hydrology and Water Quality				
Disruption to Natural Surface Flow	XXX	XX	✓✓✓✓	✓✓✓✓
Disruption to Groundwater Abstractions	X	X	O	N/A
Obstruction to Groundwater Flows	XX	X	X	N/A
Disruption to Surface Water Abstractions	XX	X	✓✓	N/A
Disruption to Surface Water Discharges	O	N/A	✓✓	N/A
Groundwater Quality Deterioration	XX	X	X	X
Surface Water Quality Deterioration	XX	X	N/A	N/A
Surface Water Quality	N/A	N/A	✓✓	✓✓
Exacerbation of Climate Change	N/A	N/A	X	N/A
Geology and Soils				
Disturbance to Soil	XX	X	X	N/A
Disturbance to Contaminated Land	XX	✓✓✓	O	N/A
Disturbance to Drift Geology Resource	XX	XX	X	N/A
Disturbance to Drift Geological Features	X	X	X	N/A
Disturbance to Solid Geological Resource	X	N/A	O	N/A
Disturbance to Solid Geological Features	X	N/A	O	N/A
Geomorphology				
Alteration of Local Sediment Dynamics	XXX	XX	N/A	N/A
Elevated Sediment Loads	XXX	XX	N/A	N/A
Alteration of Hydraulics	N/A	N/A	✓✓✓(✓)	✓✓✓(✓)
Impact on Local Bedload Dynamics	N/A	N/A	O	N/A
Improved Conservation Value	N/A	N/A	✓✓✓✓	N/A
Reduced In-Channel Maintenance Intervention	N/A	N/A	✓✓✓	✓✓✓

Description of Impact	Construction Phase		Operational Phase	
	Impact	Residual Impact	Impact	Residual Impact
Nature Conservation Designated Sites				
Disturbance to Sites of Interest to Natural Science (SINS)	X	N/A	O	O
Disturbance to Otter	XX	XX	✓✓	✓✓
Disturbance to Salmon Habitat and Population	XXX	XXX	✓✓✓	✓✓✓
Disturbance to Sea Lamprey	XX	X	O	O
Disturbance to Freshwater Pearl Mussel	XXXX	X	✓✓	✓✓
Habitats and Species				
Disturbance to LBAP habitats	XXX	XX	✓✓	✓✓
Disturbance to Trees	XX - XXX	XX - XXX	✓✓	✓✓
Spread of Invasive Plant Species	XXX	✓✓	✓✓	N/A
Disturbance to Bats	XXX	XX	✓✓	N/A
Disturbance to Badger	XX	X	X	N/A
Disturbance to Water Vole	X	X	✓✓	N/A
Disturbance to Red Squirrels	XX	X	✓✓	N/A
Disturbance to Breeding Birds	XX	XX	✓✓	✓✓
Loss of Feeding Habitat for Foraging Birds	XX	XX	✓✓	✓✓
Disturbance to Aquatic Invertebrates	XXX	XX	✓✓	✓✓
Disturbance to Amphibians	X	X	✓✓	✓✓
Disturbance to Reptiles	X	X	✓✓	✓✓
Disturbance to Fish Habitats and Populations	XXX	XX	✓✓	✓✓✓✓
Cultural Heritage				
Disturbance to Rothes Castle Scheduled Ancient Monument (SAM)	O	N/A	N/A	N/A
Disturbance to Known Archaeological Sites	X	O	N/A	N/A
Disturbance to Unknown Archaeological Sites	XXX	O	N/A	N/A
Impact upon Listed Buildings	O	N/A	N/A	N/A
Impact upon Cultural Heritage and Setting Resulting from Works to Bridges in Rothes	XX	X	XX	X
Landscape and Visual Impact				
Disturbance to Area of Great Landscape Value (AGLV)	X	N/A	✓✓	N/A
Disturbance to Local Plan Designations	XX	N/A	✓✓✓	N/A
Disturbance to Landscape Character of Rothes	XXXX	XXX	✓✓✓	✓✓✓
Disturbance to Landscape Character of Back Burn	XX	XX	X	N/A
Disturbance to Landscape Character of Burn of Rothes	XXX	XXX	X	N/A
Disturbance to Landscape Character of Black Burn	XXX	XX	✓✓	✓✓

Description of Impact	Construction Phase		Operational Phase	
	Impact	Residual Impact	Impact	Residual Impact
Visual Impact on Rothes	XXX	XXX	✓✓✓	N/A
Visual impact on Back Burn	XX	XX	X	N/A
Visual Impact on Burn of Rothes	XXXX	XXX	X	N/A
Visual Impact on Black Burn	XXX	XXX	✓✓✓	N/A
Recreation and Amenity				
Disturbance to Public Access Land and Footpaths	XXX	XXX	✓✓✓	N/A
Effects on Tourism	XX	X	✓✓	N/A
Direct Loss of Amenity and Recreational Areas	N/A	N/A	✓✓✓	N/A
Traffic and Access				
Increase in Traffic in Rothes	XXX	XX	N/A	N/A
Disturbance to Traffic in Rothes	XXXX	XXX	✓✓✓✓	N/A
Disturbance to Local Access and Parking	XXX	XX	✓✓✓✓	N/A
Disruption to Local Business Access and Parking	XXX	XX	✓✓✓✓	N/A
Disruption to Distillery Access and Parking	XXX	XX	✓✓✓✓	N/A
Disruption to Public Transport	XX	X	✓✓	N/A
Reduction of Flood Disruption to Local Traffic and Access	N/A	N/A	✓✓✓✓	N/A
Noise and Vibration				
Construction Works Impacts	XXXX	XX - XXXX	N/A	N/A
Construction traffic noise impacts	XX-XXX	XX	N/A	N/A
Non construction traffic impacts	XX-XXX	XX	N/A	N/A
Construction Works and Construction Traffic Vibration Assessment	XX - XXXX	XX	N/A	N/A
Scheme Operation noise impacts	N/A	N/A	XX-XXXX	XX
Air Quality				
Emissions – On Road Vehicles	XXX - ✓✓✓	XX	N/A	N/A
Emissions – Non Road Mobile Machinery	XXX	XX	N/A	N/A
Construction Dust	XXXX	XXX	N/A	N/A
Scheme Operation	N/A	N/A	O	O