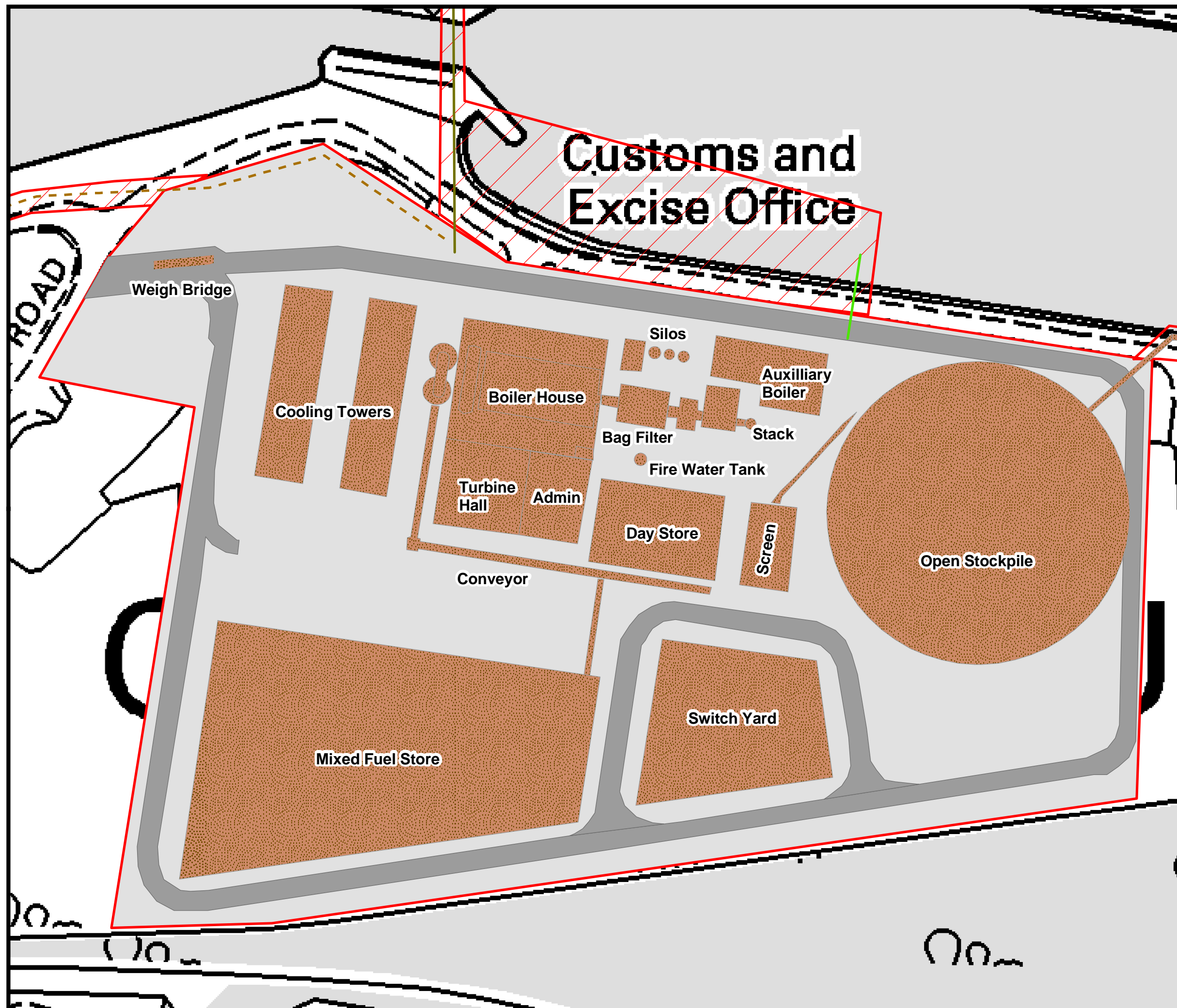


## Figures

## INDEX

Figure 1.1	Site Location	Figure 10.13.1	Viewpoint 5 Bo'ness Harbour, Photograph and Photomontage
Figure 1.2	Application Boundary	Figure 10.13.2	Viewpoint 5 Bo'ness Harbour Photograph and Cumulative Wireframe
Figure 6.1	Site Layout (with open stockpile)	Figure 10.14	Viewpoint 6 Antonine Wall World Heritage Site, Grangemouth, Photograph and Photomontage
Figure 6.2	Site layout (with fuel storage silos)	Figure 10.15.1	Viewpoint 7 Cockleroy Photograph and Wireframe
Figure 6.3	Cooling water pipeline routes	Figure 10.15.2	Viewpoint 7 Cockleroy Photograph and Cumulative Wireframe
Figure 6.4	Construction programme	Figure 10.16	Viewpoint 8 Callendar Park, Photograph and Wireframe
Figure 6.5	Grid Connection Route (Indicative)	Figure 10.17	Viewpoint 9 Falkirk Wheel Photograph and Wireframe
Figure 7.1	Alternative Sites	Figure 10.18.1	Viewpoint 10 M876/A905 Photograph and Wireframe
Figure 8.1a	Cumulative Developments	Figure 10.18.2	Viewpoint 10 M876/A905 Photograph and Cumulative Wireframe
Figure 8.1b	Location of the proposed Rosyth and Leith Renewable Energy Plants	Figure 10.18.3	Viewpoint 10 M876/A905 Photograph and Cumulative Wireframe
Figure 9.1	Site boundary, stack location, modelled domain and residential receptor areas	Figure 10.19.1	Viewpoint 11 Kincardine Bridge Photograph and Wireframe
Figure 9.2:	Annual mean nitrogen dioxide process contributions (2008)	Figure 10.19.2	Viewpoint 11 Kincardine Bridge Photograph and Cumulative Wireframe
Figure 9.3:	Annual mean cadmium process contributions (2008)	Figure 10.20.1	Viewpoint 12 Culross Photograph and Photomontage
Figure 9.4:	Annual mean arsenic and nickel process contributions (2008)	Figure 10.20.2	Viewpoint 12 Culross Photograph and Cumulative Wireframe
Figure 9.5:	Annual mean chromium process contributions (2008)	Figure 10.21.	Viewpoint 13 New Row, Kincardine Photograph and Wireframe
Figure 9.6:	Annual mean benzo (a)pyrene process contributions (2008)	Figure 10.22	Viewpoint 14 Forth Viewpoint, Alloa Photograph and Wireframe
Figure 9.7:	99.9 <sup>th</sup> Percentile of 15 Minute Sulphur Dioxide (Method 2) Process Contribution (2007)	Figure 10.23	Viewpoint 15 Grand Union Canal, Polmont Photograph and Wireframe
Figure 9.8:	Visible Extent of Plume during Daylight Hours	Figure 10.24	Viewpoint 16 A706/AGLV Photograph and Wireframe
Figure 10.1	Zone of Theoretical Visibility (30km)	Figure 10.25	Viewpoint 17 Kilsyth Hills AGLV Photograph and Wireframe
Figure 10.2	Zone of Theoretical Visibility (10km)	Figure 10.26	Viewpoint 18 Stirling Castle Photograph and Wireframe
Figure 10.3	Landscape Planning Designations	Figure 10.27	Viewpoint 19 Wallace Monument Photograph and Wireframe
Figure 10.4	SNH Landscape Character Types	Figure 10.28	Cumulative ZVI (Forth Energy Projects)
Figure 10.5	Landscape and Topography	Figure 11.1	Noise Monitoring Locations
Figure 10.6	Ancient Scheduled Monuments	Figure 11.2:	Predicted Noise Contours
Figure 10.7	Baseline Landscape Description	Figure 12.1	Study Nature Conservation Designations within 15km
Figure 10.8 .1	Viewpoint Locations (4 to 19)	Figure 12.2	Phase 1 habitat map
Figure 10.8.2	Viewpoint Locations (1 to 3)	Figure 13.3	Plan view of thermal discharge in the River Carron under SUMMER conditions (low river flow)
Figure 10.9	Viewpoint 1 Asda Car park, Grangemouth	Figure 13.4	Plan view of thermal discharge in the River Carron under WINTER conditions (low river flow)
Figure 10.10.1	Viewpoint 2, Grangeburn Road, Grangemouth, Photograph and Photomontage	Figure 13.5	Plan view of thermal discharge in the River Carron under WINTER conditions (high river flow)
Figure 10.10.2	Viewpoint 2 Grangeburn Road, Grangemouth, Photograph and Wireframe (Silo Option)	Figure 14.1	Surface Water features
Figure 10.11.1	Viewpoint 3 Skinflats Nature Reserve, Inver Forth, Brackenlees Road Photograph and Photomontage	Figure 14.2	Geology
Figure 10.11.2	Viewpoint 3 Skinflats Nature Reserve, Inver Forth, Brackenlees Road Photograph and Cumulative Wireframe	Figure 15.1	Cultural Heritage Features in the Middle Study Area
Figure 10.11.3	Viewpoint 3 Skinflats Nature Reserve, Inver Forth, Brackenlees Road Photograph and Cumulative Wireframe	Figure 15.2	Location of the Antonine Wall in relation to the Inner Study Area
Figure 10.12	Viewpoint 4 Bothkennar Road, Carronshore, Photograph and Wireframe	Figure 17.1	Zone of Theoretical Impact on TV Reception
		Figure 18.1	Traffic routes



### Legend

- Application boundary
- Cooling water infrastructure
- Access Road
- Proposed Layout
- Cooling water abstraction pipe route
- Cooling water discharge pipe route 1
- Cooling water discharge pipe route 2

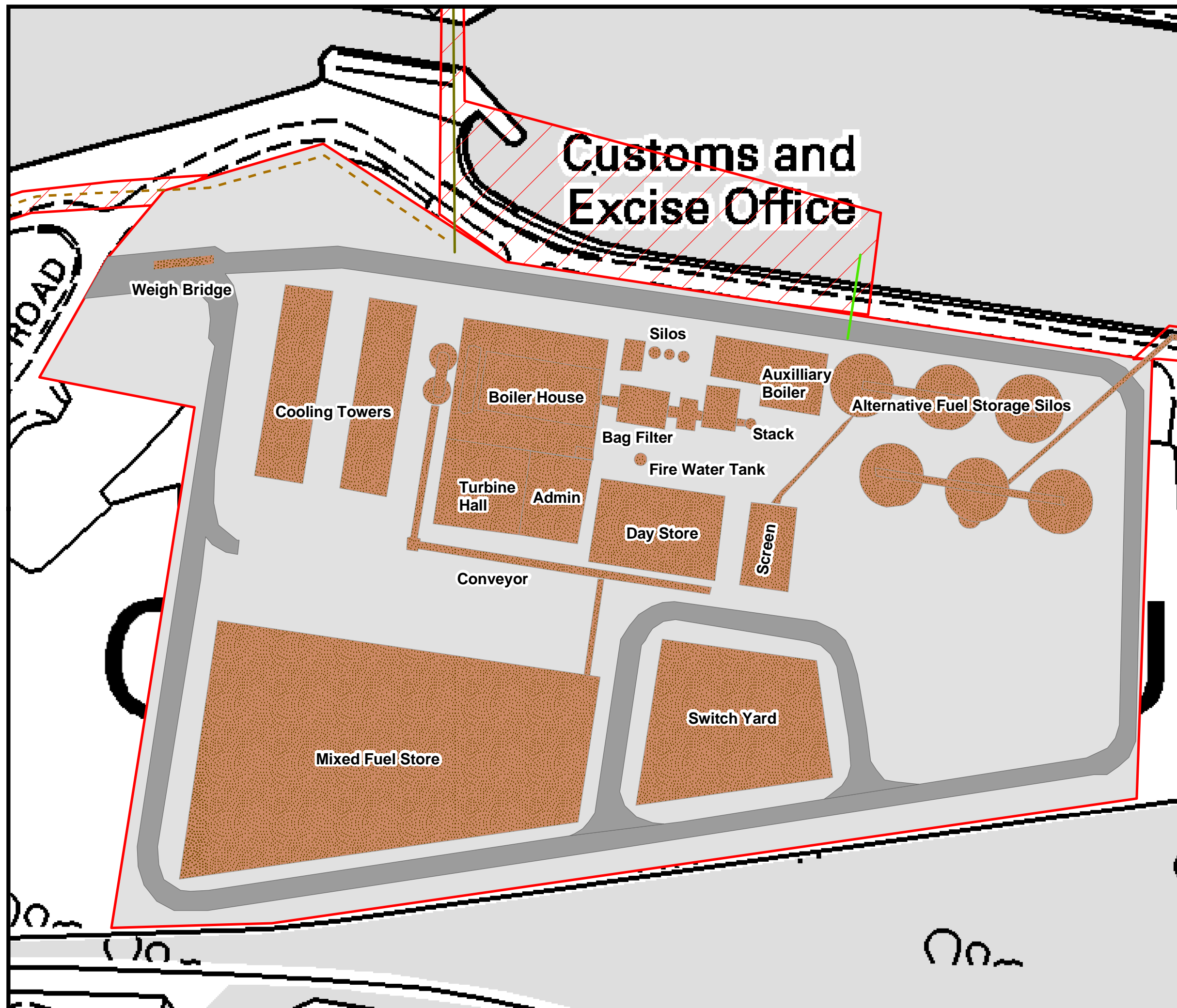


0 25 50

Metres

© Crown copyright, All rights reserved.  
2009 License number 0100031673.

SINCLAIR KNIGHT MERZ  
**SKM ENVIROS**



### Legend

- Application boundary
- Cooling water infrastructure
- Access Road
- Proposed Layout
- Cooling water abstraction pipe route
- Cooling water discharge pipe route 1
- Cooling water discharge pipe route 2



0 25 50

Metres

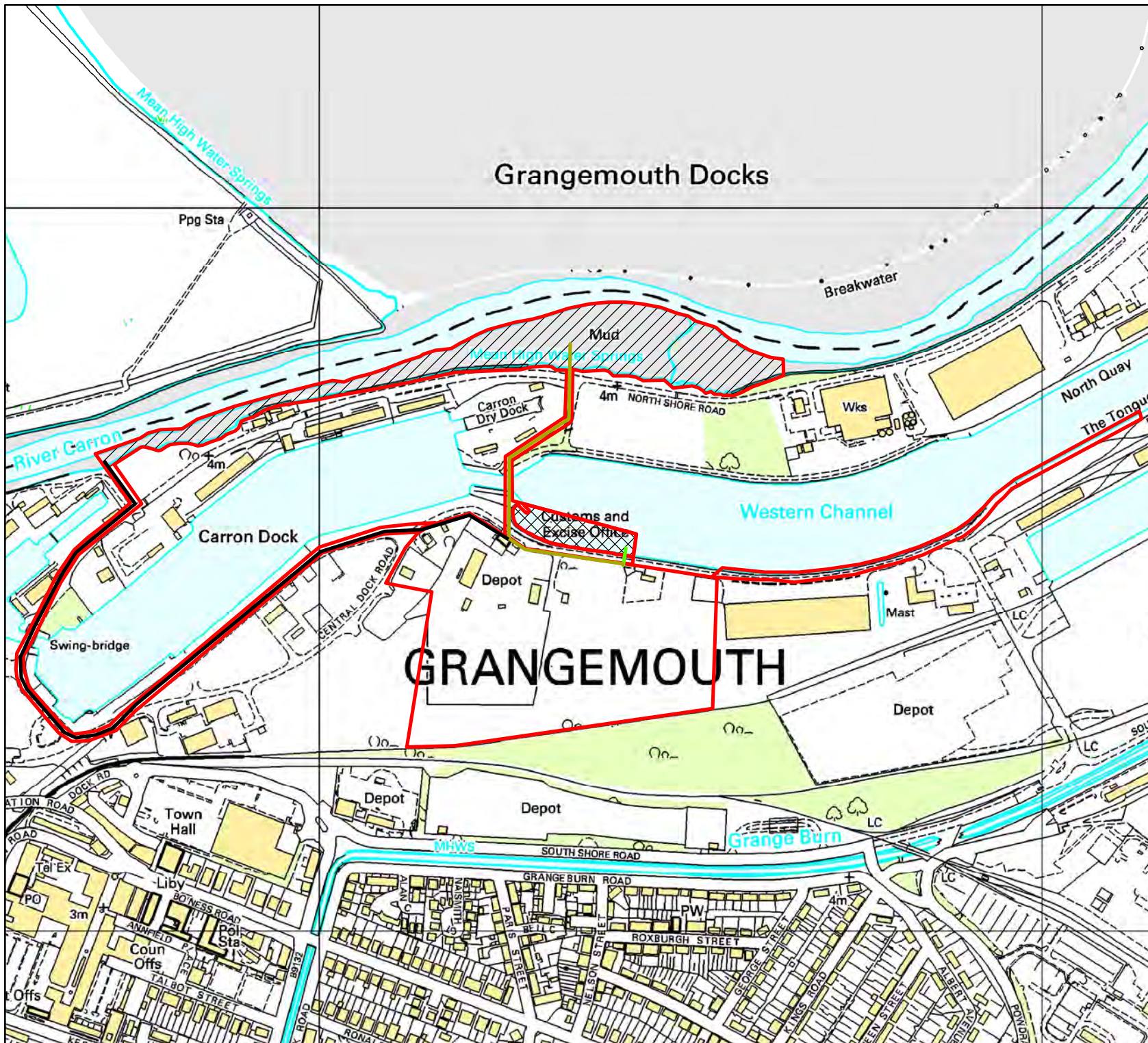
© Crown copyright, All rights reserved.  
2009 License number 0100031673.

SINCLAIR KNIGHT MERZ  
**SKM ENVIROS**



## Grangemouth Renewable Energy Plant

Figure 6.3:  
Cooling water  
pipeline routes



### Legend

- Discharge Option 2
- Discharge Option 1
- Abstraction
- ▨ Area of search for outfall
- ▤ Area of search for intake
- ▭ Application Boundary

Metres  
0 75 150 300

© Crown copyright, All rights reserved.  
2009 License number 0100031673.

Grangemouth Renewable Energy Plant

Figure 6.4  
Indicative Development Programme

