

## 20

# Conclusions and Recommendations

### 20.1

#### *General*

A summary of both the beneficial and negative environmental effects of the proposed scheme are outlined below.

A summary of the significant environmental effects and the corresponding mitigation measures is provided in Table 20.1.

**Table 20.1**

*Summary of Environmental Effects*

| <b>Receptor/<br/>Environmental<br/>Resources</b> | <b>Description of Effect</b>  | <b>Effect</b> | <b>Significance of<br/>Impact</b> | <b>Mitigation Measures</b> | <b>Residual<br/>Significance</b> |
|--|---|---------------|-----------------------------------|----------------------------|----------------------------------|
| Water  | Increased flexibility to meet water demand and manage local sources, which will assist aquifer recharge and the maintenance of river levels in the Yar. | Beneficial    | Major                             | N/A                        | Major                            |
|  | Long-term security of water supply to the Isle of Wight   | Beneficial    | Major                             | N/A                        | Major                            |

| Receptor/<br>Environmental<br>Resources | Description of Effect   | Effect  | Significance of<br>Impact             | Mitigation Measures  | Residual<br>Significance |
|---|---|---------|---------------------------------------|--|--------------------------|
| Water                                   | Temporary potential reduction in bathing water quality, due to increases in suspended sediment and accidental spillages.  | Adverse | Major – minor.<br>Difficult to assess | <ul style="list-style-type: none"> <li>• The contractor will implement best practice methods and comply with all relevant UK legislation including the Environment Agency Pollution Prevention Guidelines (PPG):               <ul style="list-style-type: none"> <li>• PPG1 – General guide to the prevention of water pollution</li> <li>• PPG2 – Above ground oil storage tanks</li> <li>• PPG3 – The Use and Design of Oil Separators</li> <li>• PPG5 – Works in, near or liable to affect a watercourse.</li> <li>• PPG6 – Working at construction and demolition sites</li> </ul> </li> <li>• Emergency response procedures and equipment will be kept on-site and all contractor staff will be made aware.</li> </ul> | Difficult to assess      |
|   | Temporary increased levels of suspended sediment including the release of drilling lubricant from drill breakouts and benthic sediment disturbed during embedding of pipeline | Adverse | Minor                                 | <ul style="list-style-type: none"> <li>• No mitigation identified</li> </ul>   | Minor                    |
|   | Temporary increased levels of deposited sediment and drilling lubricant   | Adverse | Minor                                 | <ul style="list-style-type: none"> <li>• No mitigation identified</li> </ul>   | Minor                    |