

Appendix D: Environment Agency Correspondence

Our Ref: C/CSC/7708
Your Ref:

Date: 23 March 2005

Mr Matthew Parry
Buro Happold Engineer
Camden Mill
Lower Bristol Road
Bath
BA2 3DQ

Dear Matthew

INFORMATION REQUEST – Hayle Harbour Redevelopment

I am writing in response to your communication of 21 February 2005. The Agency's comments are detailed below.

Because the waters are tidal we do not have RQO or GQA grades to offer. There are no specific water based designations (ie EU Directives) for Hayle Harbour so there aren't any specific EQSs to offer.

There is mention of Shellfish Keepnets therefore I have attached the standards from the SFW Directive.

We could supply a list of relevant EQSs if you could supply a list of the parameters that you are interested in.

Monitoring data as requested is attached in excel format.

This information is provided subject to the enclosed Notice which you should read.

If you have any queries or require further information, please contact me quoting our reference.

Yours sincerely

TRACEY PARRY
External Relations Officer - 7 24 5111

Encs.

| Parameter | Units | Type | "G" Value | "I" Value |
|---|----------------------------|------|-----------|-----------|
| pH | pH units | n/a | - | 7-9 |
| Temperature | °C deviation from normal | n/a | 2 | - |
| Colour | mg/l deviation from normal | n/a | - | 10 |
| Susp solids | % deviation from normal | n/a | - | 30 |
| Salinity | ppt | n/a | 12-38 | 40 |
| Salinity | % deviation from normal | n/a | - | 10 |
| Dissolved oxygen | % satn | AA | 80 | 70 |
| Dissolved oxygen | % satn | Min | - | 60 |
| Hydrocarbons | Visual | n/a | - | Nil |
| Hydrocarbons | Biological | n/a | - | No harm |
| Organohalogens | Biological | n/a | - | No harm |
| Metals (Ag, As, Cd, Cr, Cu, Hg, Ni, Pb, Zn) | Biological | n/a | - | No harm |
| Lindane | ug/l | MAC | - | 100 |
| Dieldrin | ug/l | MAC | - | 100 |
| DDT | ug/l | MAC | - | 33 |
| Parathion | ug/l | MAC | - | 100 |
| Ag (diss) | ug/l | MAC | - | 10 |
| As (diss) | ug/l | MAC | - | 3000 |
| Cd (diss) | ug/l | MAC | - | 330 |
| Cr (diss) | ug/l | MAC | - | 1000 |
| Cu (diss) | ug/l | MAC | - | 10 |
| Hg (diss) | ug/l | MAC | - | 1 |
| Ni (diss) | ug/l | MAC | - | 100 |
| Pb (diss) | ug/l | MAC | - | 100 |
| Zn (diss) | ug/l | MAC | - | 10 |
| Zn (diss) | ug/l | MAC | - | 40 |
| FC | No/100ml | n/a | 300 | - |

Relevnt Extracts from Environment Agency Monitoring Data:

| Name | NGR | Date | 0329 Pb - | 0357 As - | 0376 Cr - | 0430 Ni - | 1216 Cu - | 1246 Zn - | 1254 Cd - | 1329 Pb - | 1357 As - | 1376 Cr - | 1430 Ni - | 7845 Cd | 7846 Cu | 7849 Zn |
|---------------------------------|--------------|------------|-------------------|----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | | Dry Wt (mg/kg) | DWt (mg/kg) | Dry Wt (mg/kg) | Dry Wt (mg/kg) | Wet Wt (mg/kg) | Wet Wt (mg/kg) | Wet Wt (mg/kg) | Wet Wt (mg/kg) | WetWt (mg/kg) | Wet Wt (mg/kg) | Wet Wt (mg/kg) | Wet Wt (mg/kg) | DW <63 (mg/kg) | DW <63 (mg/kg) |
| HAYLE ESTUARY - MOUTH | SW5498038000 | 02/10/1992 | 12 | 2 | 2 | 3 | | | | | | | | | | |
| HAYLE ESTUARY - LELANT SALTINGS | SW5500037800 | 14/02/1991 | | | | | 7 | 32 | 0.5 | 2 | 0.05 | 2 | 2 | 1.6 | 26 | 352 |
| HAYLE ESTUARY - LELANT SALTINGS | SW5500037800 | 14/02/1991 | | | | | 5 | 56 | 0.5 | 2 | 0.05 | 2 | 2 | | | |
| HAYLE ESTUARY - LELANT SALTINGS | SW5500037800 | 24/02/1993 | | | | | | | | | | | | | | |
| HAYLE ESTUARY - LELANT SALTINGS | SW5500037800 | 24/02/1993 | 8 | 15.9 | 2 | 3 | | | | | | | | 2 | 68 | 382 |
| HAYLE ESTUARY - LELANT SALTINGS | SW5500037800 | 11/02/1994 | 6.79 | 110 | 2.57 | 14.6 | | | | | | | | 0.94 | 143 | 1201 |
| HAYLE ESTUARY - LELANT SALTINGS | SW5500037800 | 11/02/1994 | 6.68 | 20.4 | 6.62 | 16.7 | | | | | | | | 1.31 | 51.6 | 471 |
| HAYLE ESTUARY - LELANT SALTINGS | SW5470036500 | 14/02/1991 | | | | | 7 | 32 | 0.5 | 2 | 0.05 | 2 | 2 | | | |
| HAYLE ESTUARY - LELANT SALTINGS | SW5470036500 | 14/02/1991 | | | | | 5 | 56 | 0.5 | 2 | 0.05 | 2 | 2 | | | |