

**WRITTEN QUESTION TO THE MINISTER FOR PLANNING AND ENVIRONMENT
BY DEPUTY A.K.F. GREEN OF ST. HELIER
ANSWER TO BE TABLED ON MONDAY 21st SEPTEMBER 2009**

Question

Could the Minister confirm :

- 1) whether Dandara removed all containments contaminants from the Castle Quays site before starting work;
- 2) that he is satisfied that Dandara ensured that there was no contact between contaminants in the side walls and floor of the excavation pit and the seawater as it flooded in and out of the site;
- 3) the precise chemical makeup of the contaminants;
- 4) where and how this contaminated material was disposed of?

Answer

1. The developer removed materials from the excavation after completion of retaining walls to the side of the site. This was followed by the load bearing piles which were intended to support the structure. The removal of materials was therefore an integral part of starting work.
2. The historic disposal of ash at the west of Albert site, part of which is the Castle Quays site, was carried out in 2 ways. Initially it was co disposed with general construction wastes and then later it was disposed of in "ash coffins" or trenches dug above the mean high water mark. The latter, due to it's positioning in respect of this high water mark is unlikely to have come into contact with waters as the deputy describes and the former was removed as the excavation progressed. The materials in question would have historically been subject to tidal inflow and outflow prior to any excavations and the removal of theses materials would therefore have constituted a net environmental benefit to the West of Albert area.
3. This information will be copied and forwarded to the Deputy at the earliest opportunity.
4. The materials were disposed of in the ash cells at the La Collette reclamation site. They were removed from the castle quays site by covered lorry and tipped in the hydraulically independent and purposely designed cells at the TTS operated facility.

Will the Minister also -

- 1) confirm what monitoring of water quality, if any, has taken place in the adjacent marina, St. Aubin's Bay and on/in the development site?
 - 2) advise who has carried out this monitoring and what independent verification has taken place?
 - 3) provide the full data as supplied from the States laboratory or from any other source to Harbours and the Department for Planning and Environment.
1. Monitoring for the determinands in the table below has taken place in the adjacent marina from December 2007 to the present. The department has this data in hard copy and will forward copies to the Deputy at the earliest opportunity.

Arsenic (µg/l)
Cadmium (µg/l)

Chromium (µg/l)

Copper (µg/l)
Lead (µg/l)
Mercury (µg/l)
Nickel (µg/l)
Selenium (µg/l)
Zinc (µg/l)
Sulphate (mg/l)
pH
EPH (C10-C40 µg/l)
Total PAH (EPA 16 µg/l)
Phenanthrene (µg/l)
Fluoranthene (µg/l)
naphthalene (µg/l)
acenaphthene (µg/l)
pyrene (µg/l)
anthracene (µg/l)

Bathing water monitoring is undertaken between May and September annually and the data is uploaded on a weekly basis to the department's website. The link is as follows:

<http://www.gov.je/PlanningEnvironment/Environment/Environmental+Protection/BathingWater.htm>

Heavy metal uptake in marine indicator organisms has been monitored since the early 1990's and the department will copy a report which can be submitted with the other data requested.

2. The marina monitoring was carried out by the site developer and was analysed independently by the States Analyst.

Bathing water monitoring is carried out by Environmental Protection, it is analysed by the States Analyst and it is independently verified by CREH, the Centre for Research into Environment and Health.

Heavy metal uptake has been sampled by Planning and Environment, analysed by the States Analyst and the resultant report independently assessed by CREH.

3. This will be forwarded at the earliest opportunity.