

TWO ROCKS MARINA, SOIL AND GROUND WATER CONTAMINATION

1284. Hon. C.L. Edwardes to the Minister for the Environment and Heritage

- (1) Is the Minister aware of complaints about soil and groundwater contamination at the Two Rocks Marina and claims that guidelines regarding community consultation have not been followed?
- (2) Has the Department of Environmental Protection been involved in this issue?
- (3) If so, to what extent?
- (4) What is the precise nature and extent of the contamination?
- (5) Has contaminated waste been removed from the site?
- (6) What was the method of disposal used for disposal of this waste?
- (7) Who approved this method?
- (8) Where was the waste deposited?
- (9) Who approved this site?

Dr J.M. EDWARDS replied:

- (1) Yes, I am aware of the complaints about soil and groundwater contamination at the Two Rocks Marina. In late 2002, the Department of Environmental Protection (DEP) had some concerns with the approach being taken by Yanchep Sun City and Caltex to community consultation. The DEP subsequently requested that Yanchep Sun City and Caltex improve their consultation with the local community to ensure that they are fully aware of any developments at the site. The DEP has also requested that the report outlining the proposed Remediation Plan for the site include a strategy for informing the Two Rocks community of the proposed remediation at the site.
- (2) Yes.
- (3) The DEP has been working with Yanchep Sun City and Caltex to ensure that remediation occurs at the site as soon as possible. There has been regular contact with Yanchep Sun City and Caltex to ensure that they continue to inform the local community of the contamination status at the site. The DEP is also in contact with members of the local community group. The DEP had requested that the proposed remediation action plan for the site be finalised and submitted for assessment and this plan was received on 28 March 2003 together with remediation timelines. The DEP endorsed this plan on 9 April 2003 and I am advised that remediation works has already commenced on this site.
- (4) There is approximately 2700 cubic metres of hydrocarbon contaminated soil at the site which needs to be excavated. The contamination is primarily characterised by total petroleum hydrocarbons (TPH) C6-C9, C10-C14, toluene, ethyl benzene, xylene and naphthalene above the DEP's prescribed Ecological Investigation Levels (EIL's)\*. The groundwater at the site exhibited elevated TPH, benzene and naphthalene above Marine Ecosystem Protection Guidelines\*. (\*Reference: December 2001, Draft Assessment Levels for Soil, Sediment and Water, DEP Contaminated Sites Management Series Guideline)
- (5) As of 15 May 2003, approximately 420 cubic metres of contaminated soil has been transported to the Flynn Drive Landfill. The material is being stockpiled on-site whilst awaiting further sampling prior to final disposal.
- (6) Landfill disposal is the proposed disposal method.
- (7) The DEP approved the remediation action plan on 9 April 2003.
- (8) Answered by (5).
- (9) The Flynn Drive Landfill is licensed by the DEP under an Environmental Protection Act 1986 Licence.