

## Research regarding environmental hormone

### [ Point ]

We examine the possibility of inclusion and elution of environmental hormones from road infrastructure material; verify the possibility that the material becomes generation source of environmental hormone. Moreover, we collect samples to perform the actual condition research of environmental hormone related with roads, and establish research methods such as preprocessing method and analysis method.

We surveyed purpose of material, usage environment condition, component composition, and inclusion of environmental hormone, which related with road constructions in the “ Kensetsubutsu Kakaku (construction prices)” in 1999 September issue and road management, and produced the road construction material data base and the road management material data base. We also performed analysis research whether environmental hormone substances are in the collected material, or not. Regarding some material, we performed environmental hormone elution test. In addition, we made the environmental hormone actual condition research manual to grasp environmental hormones' actual conditions around roads.

As the result, we clarified environmental hormones are contained in some road construction material and road management material, and by warm water extraction, environmental hormones eluded from some of the material.

Keyword : road construction material, road management material, environmental hormone, environmental hormoneanalysis, elusion test