



VANEX Biodiversity Study

VALENCIA REGIONAL AUTONOMOUS GOVERNMENT

Territory and Housing Office, Natural Environment Management Department

BIODIVERSITY CONSERVATION SERVICE REPORT ON BIOREMEDIATION TREATMENT PROPOSED BY JUCAR HYDROGRAPHIC AUTHORITY UNDER THE FRAMEWORK OF THE ENVIRONMENTAL REGENERATION OF THE "MAGRO" RIVER BED FROM "CAUDETE DE LAS FUENTES" TO THE "FORATA" RESERVOIR

As part of the project planning reference code 08.F36.073/O311, the Service of Environmental Impact Assessment of the Office of Territory and Housing, issued a report on March 24th, 2006 – extension of a precedent one dated October the 5th, 2005 (reference. 171/05-CON), in which section 3.3 indicates the need for the River Jucar Hydrographic Authority (CHJ) to obtain a favourable report by the Biodiversity Preservation Service.

In order to adequately judge the activity, the Water Quality and Management Environment Area of the River Jucar Hydrographic Authority (CHJ) has made a request to the Department of Land and Housing for issue of the above mentioned report, together with various documents.

Based on an analysis of the information submitted it is estimated that:

- This information is enough and of sufficient quality to judge the activity examined.
- The submitted reports sufficiently demonstrate that, within the current scientific and technical knowledge, it can reasonably be expected that the application of the bacterial enzyme complex used in this pilot phase, will generate substantial environmental improvements in the area and will not interfere significantly or detrimentally on living organisms in the area. This will improve the quality of the environment for living organisms that are unique for their rarity or conservation requirements, or are characteristic of advanced stages of the evolution of ecosystems.
- We certify that only natural strains of cosmopolitan bacterial species have been used and no genetic manipulation been carried out.
- The applicant organisation has previous experience of demonstration of the use of enzyme-bacterial complexes, always following the recommendations of the Service of Biodiversity.
- Conservation measures established in the report of November 28th, 2002, based on a previous record (138/O2-CON Service of Environmental Impact Assessment) on the implementation of enhanced biological treatments to improve the quality of certain river sections in the area of River Jucar Hydrographic Authority (CHJ). The above experiences have been carried out by research teams of high scientific reputation, belonging to the Ecotoxicology Laboratory of the University of Valencia.



Tel: 0845 8625025
Email: contact@anaerobicdigestion.net

- Given the scientific interest of the activity and the duration of the project once the implementation is developed, and the permanent collaboration between the River Jucar Hydrographic Authority (CHJ) and Ecotoxicology Laboratory, it is expected lead to prolonged scientific monitoring over several years, ensuring maximum extraction of knowledge and findings in the field, and the possibility that such results can be exported to other degraded river areas of the Valencia Regional Community.

Considering all the above we issue FAVOURABLE REPORTS for the development of the proposed actions.

JUCAR HYDROGRAPHIC AUTHORITY, Valencia, December the 14th, 2006