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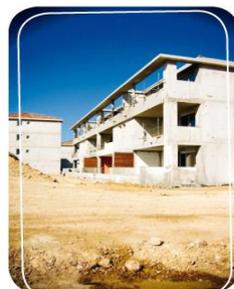
RÉPUBLIQUE FRANÇAISE

Compliance of a system for rainwater collection

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Example of the commercial area of Plan-de-Campagne

DDTM
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The commercial area of Plan-de-Campagne:

- constructed in the 1960s**
- surface area = 350 ha**
- over two towns: Cabriès (112 ha) and Les Pennes-Mirabeau (238 ha)**

Outlet of the RW collection network:

- Baume-Baragne stream**
- then Réaltort basin**

The Réaltort basin:

- is a raw water reservoir of the Marseilles canal for the production of drinking water for 36 towns in the Marseilles region**
- date of creation: 1860**
- surface area = 70 ha**
- volume = 800,000 m³**
- intercepts the bed of the old Baume-Baragne stream which now consists of two distinct parts:**
 - The stream of Baume-Baragne upstream**
 - The stream of the Grand-Torrent downstream**



The Baume-Baragne stream is a temporary water course in direct communication with the Réaltort basin

In rainy weather, the stormwater discharges from the area of Plan de Campagne entering the Réaltort basin through the Baume-Baragne stream

This was particularly noticed in March 2006 with the discharge of large quantities of a pesticide (glyphosate) in the basin (fire at the Truffaut company in Plan-de-Campagne) that resulted in the closure of the basin for 80 days



Following this pollution, the water policy service conducted a water sampling campaign between the outlet of the commercial area and the basin

Significant organic pollution was identified:

- commercial area**
- housing development of the Lac Bleu Domain**
- RD 9**
- training center of the equestrian society of Marseilles**
- WWTP of the sports center of Arbois**



Recognizing this, the water police service (SPE) undertook the following actions:

- formal notice to the two towns of Cabriès and Les Pennes-Mirabeau for diagnosis and upgrade of the rainwater collection network in the commercial area**
- formal notice to the equestrian society of Marseilles (rainwater collection and manure storage areas)**
- realization of the diagnostics of individual sanitation systems of the Lac Bleu Domain (155 facilities): positive results except for one facility**
- disconnection works on the Marseilles canal on the right of the Réaltort basin as part of works for doubling the RD 9**
- formal notice to town of Cabriès for compliance of the treatment plant of the Arbois sports centre**

Steps taken following these actions:

- compliance works by the riding center implemented**
- CCIMP * commissioned by the two towns to meet all traders of Plan-de-Campagne for network diagnosis and proposals for compliance works of individual sanitation systems: deadline: end 2014**
- implementation of works to upgrade the rainwater collection system in the commercial area: deadline: end 2021**
- works for covering the Marseilles canal on the right of the Baume-Baragne stream and replacement of the siphon between the stream and the Réaltort basin with an overflow**
- compliance works by the treatment plant of the Arbois sports centre**

*** Chamber of Commerce and Industry of Marseilles-Provence**

Steps for future projects:

- completion of the Rail Station urban development zone with the following principles:**
 - rainwater collection network sized for once-in-a-century rain**
 - wastewater collection with total reuse of discharges ("zero discharge")**
- development of a comprehensive hydraulic study of the basin including all completed and future projects**
- feasibility study of the bypass of the Réaltort basin to reestablish the connection between the Baume-Baragne stream and the Grand-Torrent stream**
- an order of opposition to declaration was issued on April 4, 2013 against a project for the extension of the commercial area in connection with the works of upgrading the rainwater collection network**