

Treatment at the source - STOPPOL®

Coopérative Régionale des Vins de Champagnes – REIMS (51)

In 2011, the Coopérative Régionale des Vins de Champagne (CRVC) was confronted with bringing into conformity its rainwater networks, as requested by the Communauté d'Agglomération de Reims. Due to the strict values for discharge to be reached, and the depth of the network, Saint Dizier Environnement then proposes to study in cooperation with the Communauté d'Agglomération, installing STOPPOL® units.



APPRAISAL

On this site where Champagne is produced, and bottled, the rainwater from the roads join a main network at a depth of about seven metres. Any outfall work would therefore require shutting down the loading/unloading dock. Moreover, Métropole de Reims requires full treatment of discharges. This is one of the reasons why the STOPPOL® solution was chosen for this site.

Date of commissioning	2011
Client	CRVC
Contractor	CRVC
Company	SCREG Est

LA CONCEPTION

Advantages of this solution :

- STOPPOL® allows for treatment as close as possible to the sources of pollution, and therefore at low network depths
- This here entails placing a total of 8 STOPPOL® units on surfaces <1000 m², rather than a single structure imposing outfall work.
- A first unit underwent follow-up and its performance was validated by Reims Métropole, before the following units were installed.



Inside view of the STOPPOL® 10 CKF

BUILDING

Characteristics of the STOPPOL® unit

- STOPPOL® is comprised of a removable screening basket , a technical landing, settling plates and a sludge withdrawal column
- It includes an outer casing with of reduced size (Ø1000 mm x H 1500 mm)

Particular points with this project :

- 8 units in version 10CKF
- The 10CKF version comprises a post-filtration on adsorbant and adsorbant media, in order to trap dissolved pollution
- ICPE classified installation



Installation under the road with full access

FOLLOW-UP

Follow-up on the 1st treatment structure by Reims Métropole showed a substantial reduction rate, 94% on TTS, 62% on BOD 5, and 55% on total nitrogen.