

**State of California**  
**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD**  
**LOS ANGELES REGION**  
**320 West 4th Street, Suite 200, Los Angeles**  
**FACT SHEET**  
**WASTE DISCHARGE REQUIREMENTS**  
**FOR**  
**G. B. COOKE, INC.**  
**(City of Malibu Civic Center Stormwater Treatment Facility Project)**  
**NPDES NO. CAG994004**  
**CI-9129**

**FACILITY LOCATION**

Cross Creek Rd. & Civic Center Way  
Malibu, CA 90265

**FACILITY MAILING ADDRESS**

580 E. Foothill Blvd.,  
Azusa, CA 91702

**PROJECT DESCRIPTION**

G. B. Cooke, Inc. (G.B.Cooke), a general contractor for the City of Malibu (The City), proposes to construct a stormwater filtration facility at Cross Creek Road and Civic Center Way, Malibu, for the City. Dewatering is anticipated during the construction project. Up to 1.5 million gallons per day (mgd) of treated groundwater will be discharged during the short-term construction project that will be completed within three months. Desilting tanks will be installed to allow sediment to settle out. The groundwater will be passed through a mechanical filtration system aided by polymers to remove suspended solids. The groundwater will then be treated by passing it through a series of granular activated carbon units followed by ion-exchange medias units to remove total petroleum hydroccrbons (TPH) and trace metals, respectively. The treated groundwater will be tested prior to discharge to the storm drain.

**VOLUME AND DESCRIPTION OF DISCHARGE**

It is estimated that up to 1.5 mgd of treated groundwater will be discharged to a local storm drain at Latitude 34°01'58", Longitude 118°40'51", which flows to Malibu Creek, a water of the United States. The site location map and the schematic of waste flow diagram are shown as Figures 1 and 2, respectively.

**APPLICABLE EFFLUENT LIMITATIONS**

Based on the information provided in the NPDES Application Supplemental Requirements, the following constituents in the Table below have been determined to show reasonable potential to exist in the discharge. The treated groundwater discharged from the project site flows into Malibu Creek which has beneficial use designation of MUN (potential). Therefore, discharge limitations under "Other Water" column in Part E.1.a. and 1.b. of the Order applies.

July 12, 2006

The discharge satisfies the provisions for creekside construction dewatering operations in Order No. R4-2003-0111. Therefore the limitations specified in Attachment B.5.a. of Order No. R4-2003-0111 are not applicable to the discharge, except those for boron and nitrogen.

This Table lists the specific constituents and effluent limitations applicable to the discharge.

| Constituents                            | Units | Discharge Limitations |                 |
|---|-------|-----------------------|-----------------|
|   |       | Daily Maximum         | Monthly Average |
| Total Suspended Solids                  | mg/L  | 150                   | 50              |
| Turbidity                               | NTU   | 150                   | 50              |
| BOD <sub>5</sub> 20°C                   | mg/L  | 30                    | 20              |
| Oil and Grease                          | mg/L  | 15                    | 10              |
| Settleable Solids                       | ml/L  | 0.3                   | 0.1             |
| Sulfides                                | mg/L  | 1.0                   | ---             |
| Phenols                                 | mg/L  | 1.0                   | ---             |
| Residual Chlorine                       | mg/L  | 0.1                   | ---             |
| Boron                                   | mg/L  | 2.0                   | ---             |
| Nitrogen                                | mg/L  | 10                    | ---             |
| Methylene Blue Active Substances (MBAS) | mg/L  | 0.5                   | ---             |
| Total Petroleum Hydrocarbons            | µg/L  | 100                   | ---             |
| Cadmium                                 | µg/L  | 5.0                   | ---             |
| Chromium III                            | µg/L  | 50                    | ---             |
| Copper                                  | µg/L  | 5.8                   | 2.9             |
| Lead                                    | µg/L  | 14                    | 7.0             |
| Nickel                                  | µg/L  | 14                    | 6.7             |
| Zinc                                    | µg/L  | 95                    | 47              |

## FREQUENCY OF DISCHARGE

The discharge of groundwater will be continuous for approximately three months.

## REUSE OF WATER

It is not economically feasible to haul all the groundwater for off-site disposal. Due to the large volume of groundwater that will be generated, it is not feasible to discharge the water to the sanitary sewer system. There are no other feasible reuse options for the discharge. Therefore, the treated groundwater will be discharged to the storm drain in compliance with the requirements of the attached order.

June 26, 2006. G.B. Cooke, Inc. City of Malibu Civic Center Stormwater Treatment Facility Project. Site/location map.

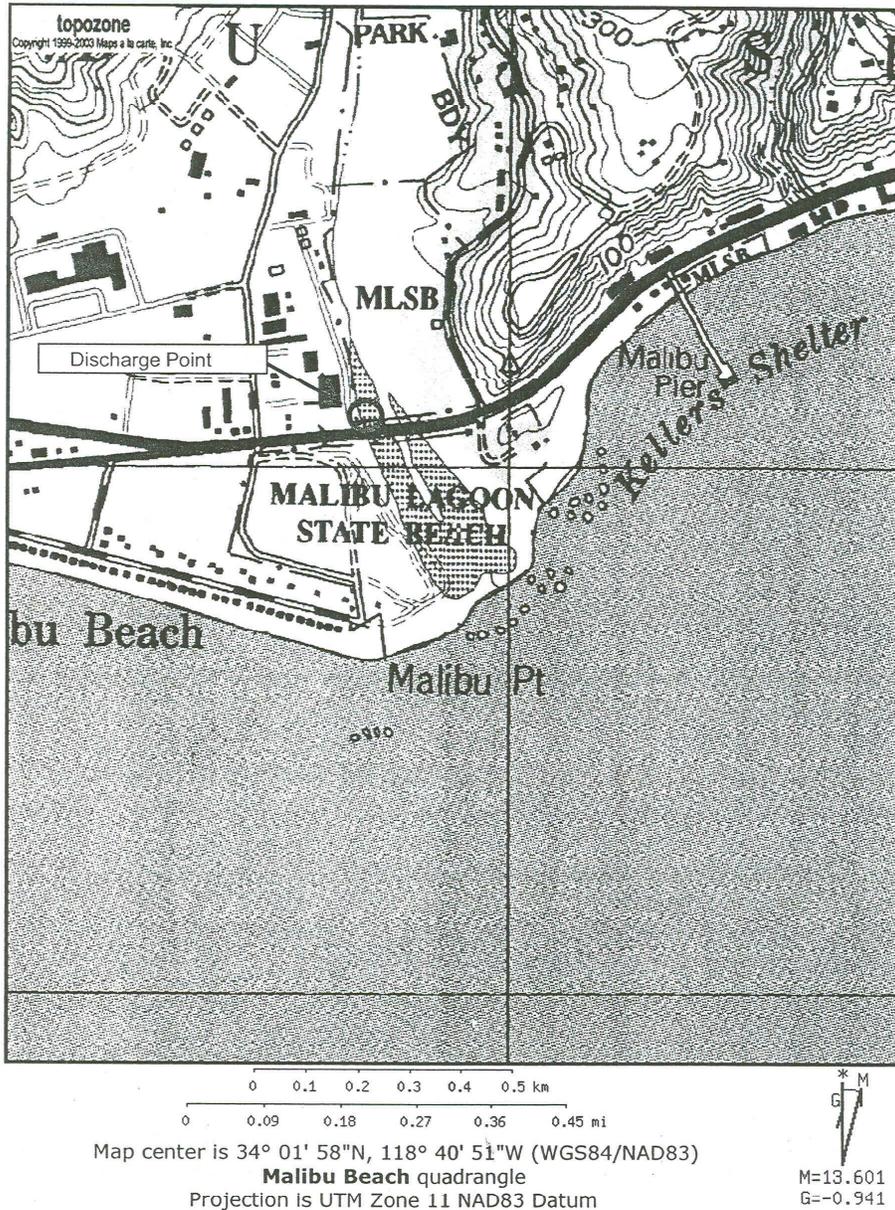
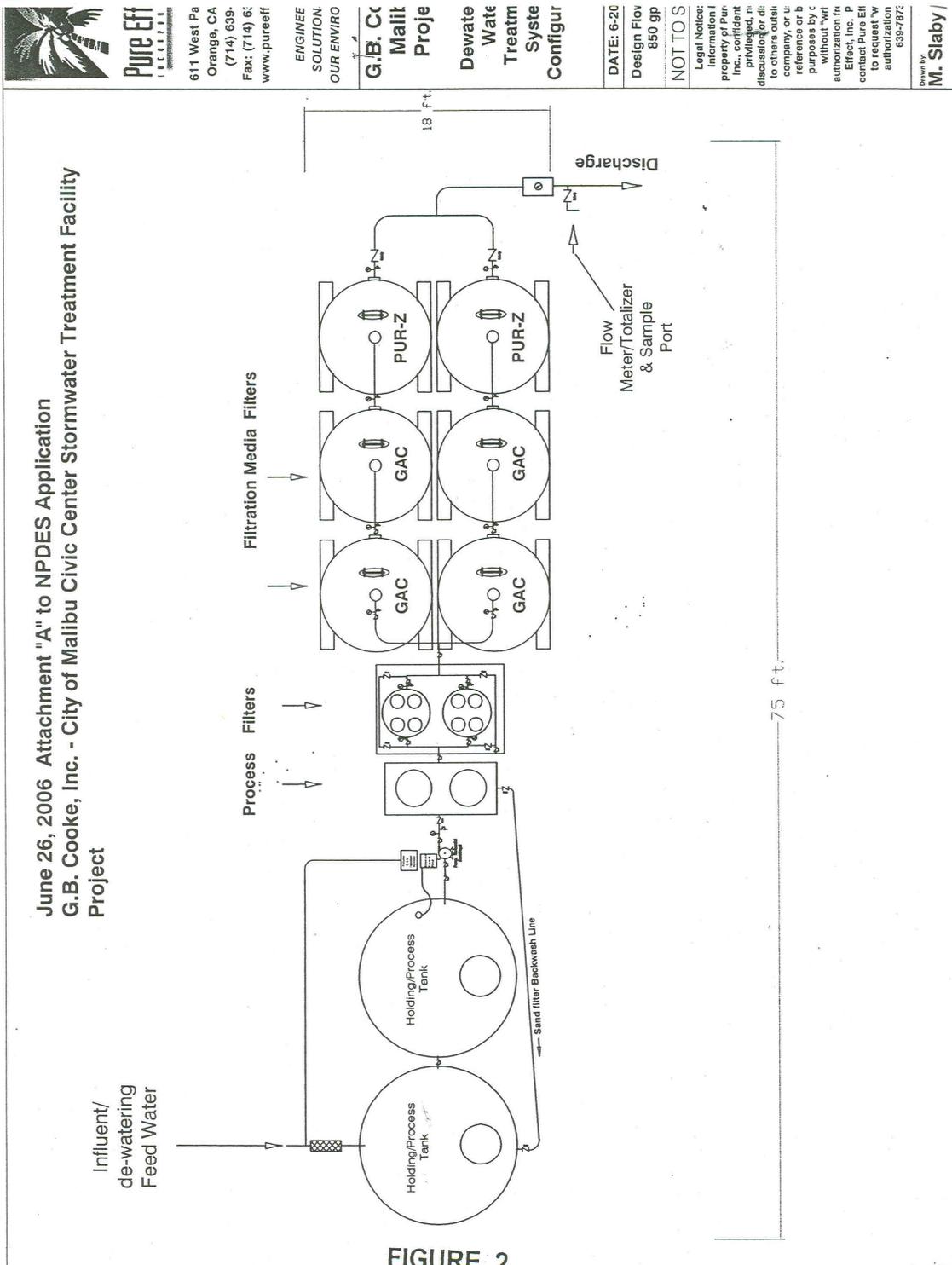


FIGURE 1



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**G.B. Cooke, Inc.**  
**Malibu Project**

**Dewatering  
 Treatment  
 System  
 Configuration**

DATE: 6-20  
 Design Flow  
 850 gpd

**NOTES**

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Drawn by:  
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