State of California
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
320 West 4th Street, Suite 200, Los Angeles
REVISED FACT SHEET
WASTE DISCHARGE REQUIREMENTS
FOR
COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
(West Coast Basin Barrier Project, Unit 7)
ORDER NO. R4-2003-0108, NPDES NO. CAG994005
CI-6098

FACILITATION LOCATION
Prospect Avenue
Redondo Beach, CA 90278

FACILITY MAILING ADDRESS
900 S. Fremont Avenue
Alhambra, CA 91803-1331

PROJECT DESCRIPTION

The County of Los Angeles Department of Public Works (LACDPW) injects freshwater into the local drinking water aquifers to prevent seawater intrusion. LACDPW periodically redevelops the injection wells and discharges the wastewater. General NPDES Permit Order No. R4-2003-0108 was issued to LACDPW on October 30, 2003, for discharge of Unit 7 well development water to the Los Angeles County Flood Control Channel from Outfalls No.1 through 5. This Fact Sheet is being revised to include coverage under the general NPDES Permit for discharge of groundwater from two additional outfalls No. 6 and 7 to help facilitate and expedite the transport of well redevelopment water.

VOLUME AND DESCRIPTION OF DISCHARGE

LACDPW conducts the well redevelopment approximately once every two years. Up to 144,000 gallons per day of groundwater is discharged to various storm drain outfalls listed below.

Outfall	Latitude	Longitude
1	33°50'16"	118°22'55"
2	33°50'08"	118°22'51"
3	33°50'00"	118°22'34"
4	33°49'52"	118°22'39"
5	33°49'42"	118°22'44"
6	33°50'21"	118°22'36"
7	33°50'19"	118°22'40"

Discharge to the storm drains outfalls flow to the Los Angeles County Flood Control Channel thence to a coastal stream of the Pacific Ocean, a water of the United States. The outfalls location is shown as Figure 1.

January 6, 2010

APPLICABLE EFFLUENT LIMITATIONS

Based on the information provided, the following constituents in the Table below have been determined to show reasonable potential to exist in the discharge. The groundwater discharge flows to L.A. County Flood Control Channel thence to a coastal stream of the Pacific Ocean; therefore, the discharge limitations specified in Attachment B are not applicable to the discharge.

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_5 20°C	mg/L	30	20
Settleable Solids	ml/L	0.3	0.1
Residual Chlorine	mg/L	0.1	---

FREQUENCY OF DISCHARGE

The intermittent discharge occurs approximately once every two years.

REUSE OF WATER

It is not economically feasible to haul all the groundwater for off-site disposal. It is not feasible to discharge the water to the sanitary sewer system. There are no other feasible reuse options for the short duration discharge. Therefore, the groundwater will be discharged to the flood control channel in compliance with the requirements of the attached order.

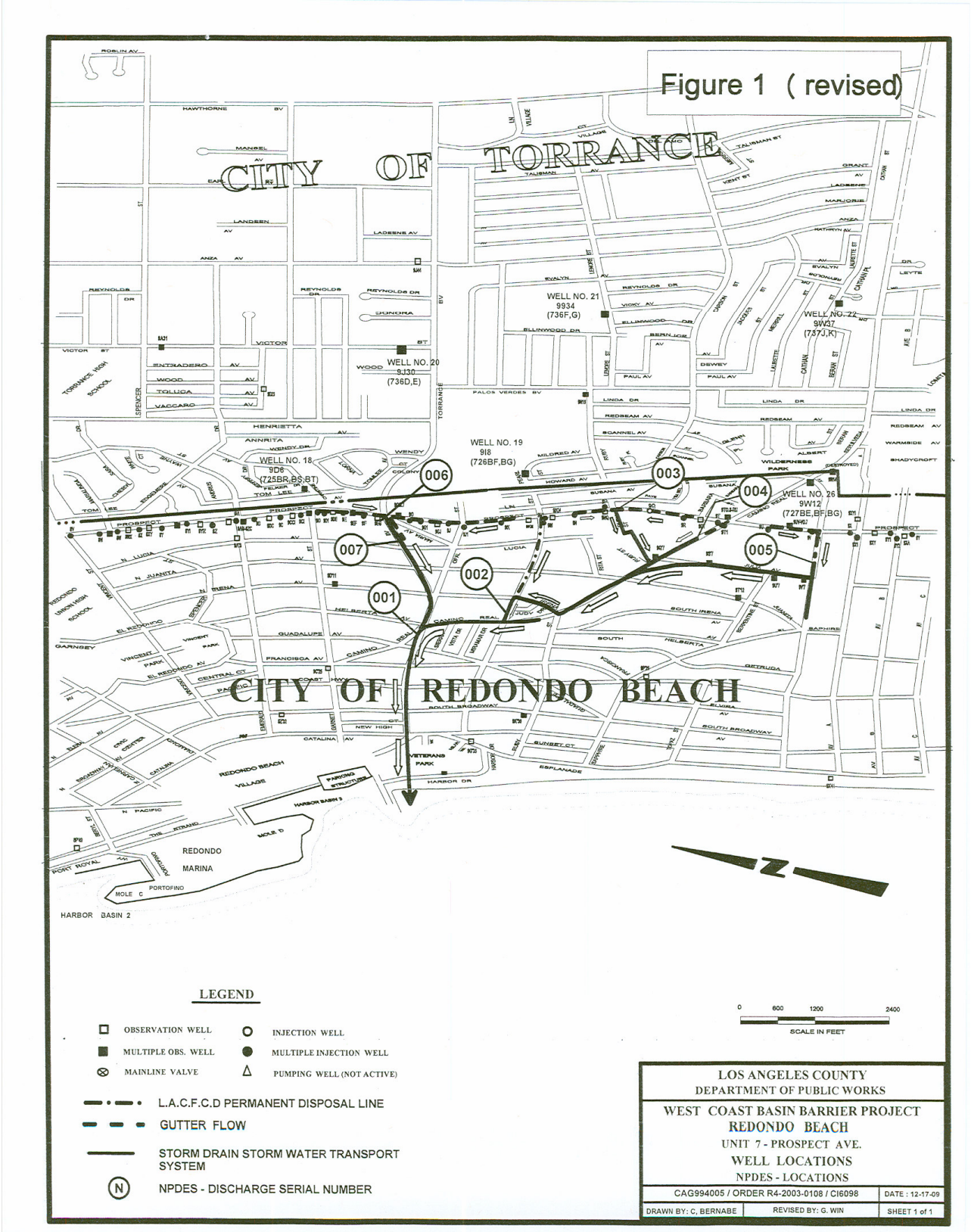
Figure 1 (revised)
CITY OF TORRANCE
CITY OF REDONDO BEACH
WELL NO. 21
9934
(736F,G)
WELL NO. 22
9W37
(737J,K)
WELL NO. 20
9J30
(736D,E)
WELL NO. 19
918
(726BF,BG)
WELL NO. 18
9D8
(725BR,BS,BT)
WELL NO. 26
9W12
(727BE,BF,BG)
001
002
003
004
005
006
007
REDONDO MARINA
HARBOR BASIN 2
LEGEND
OBSERVATION WELL
INJECTION WELL
MULTIPLE OBS. WELL
MULTIPLE INJECTION WELL
MAINLINE VALVE
PUMPING WELL (NOT ACTIVE)
L.A.C.F.C.D PERMANENT DISPOSAL LINE
GUTTER FLOW
STORM DRAIN STORM WATER TRANSPORT SYSTEM
NPDES - DISCHARGE SERIAL NUMBER
0 600 1200 2400
SCALE IN FEET
LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
WEST COAST BASIN BARRIER PROJECT
REDONDO BEACH
UNIT 7 - PROSPECT AVE.
WELL LOCATIONS
NPDES - LOCATIONS
CAG994005 / ORDER R4-2003-0108 / CI6098
DATE : 12-17-09
DRAWN BY: C. BERNABE
REVISED BY: G. WIN
SHEET 1 of 1