

Please indicate County where your project is located here:

MAIL FORM AND ATTACHMENTS TO:
State Water Resources Control Board
DIVISION OF WATER RIGHTS
P.O. Box 2000, Sacramento, CA 95812-2000
Tel: (916) 341-5300 Fax: (916) 341-5400
http://www.waterboards.ca.gov/waterrights

PETITION FOR CHANGE

Separate petitions are required for each water right. Mark all areas that apply to your proposed change(s). Incomplete forms may not be accepted. Location and area information must be provided on maps in accordance with established requirements. (Cal. Code Regs., tit. 23, § 715 et seq.) Provide attachments if necessary.

- Point of Diversion** Wat. Code, § 1701
 - Point of Rediversion** Cal. Code Regs., tit. 23, § 791(e)
 - Place of Use** Wat. Code, § 1701
 - Purpose of Use** Wat. Code, § 1701
 - Distribution of Storage** Cal. Code Regs., tit. 23, § 791(e)
 - Temporary Urgency** Wat. Code, § 1435
 - Instream Flow Dedication** Wat. Code, § 1707
 - Waste Water** Wat. Code, § 1211
 - Split** Cal. Code Regs., tit. 23, § 836
 - Terms or Conditions** Cal. Code Regs., tit. 23, § 791(e)
 - Other**
- Application Permit License Statement

I (we) hereby petition for change(s) noted above and described as follows:

Point of Diversion or Rediversion – Provide source name and identify points using both Public Land Survey System descriptions to ¼-¼ level and California Coordinate System (NAD 83).

Present:

Proposed:

Place of Use – Identify area using Public Land Survey System descriptions to ¼-¼ level; for irrigation, list number of acres irrigated.

Present:

Proposed:

Purpose of Use

Present:

Proposed:

Split

Provide the names, addresses, and phone numbers for all proposed water right holders.

In addition, provide a separate sheet with a table describing how the water right will be split between the water right holders: for each party list amount by direct diversion and/or storage, season of diversion, maximum annual amount, maximum diversion to offstream storage, point(s) of diversion, place(s) of use, and purpose(s) of use. Maps showing the point(s) of diversion and place of use for each party should be provided.

Distribution of Storage

Present:

Proposed:

Temporary Urgency

This temporary urgency change will be effective from to

Include an attachment that describes the urgent need that is the basis of the temporary urgency change and whether the change will result in injury to any lawful user of water or have unreasonable effects on fish, wildlife or instream uses.

Instream Flow Dedication – Provide source name and identify points using both Public Land Survey System descriptions to ¼-¼ level and California Coordinate System (NAD 83).

Upstream Location:
Downstream Location:

List the quantities dedicated to instream flow in either: cubic feet per second or gallons per day:

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec

Will the dedicated flow be diverted for consumptive use at a downstream location? Yes No
If yes, provide the source name, location coordinates, and the quantities of flow that will be diverted from the stream.

Waste Water

If applicable, provide the reduction in amount of treated waste water discharged in cubic feet per second. 0.06mgd (0.093cfs)

Will this change involve water provided by a water service contract which prohibits your exclusive right to this treated waste water? Yes No

Will any legal user of the treated waste water discharged be affected? Yes No

General Information – For all Petitions, provide the following information, if applicable to your proposed change(s).

Will any current Point of Diversion, Point of Storage, or Place of Use be abandoned? Yes No

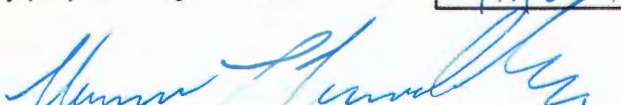
I (we) have access to the proposed point of diversion or control the proposed place of use by virtue of:
 ownership lease verbal agreement written agreement

If by lease or agreement, state name and address of person(s) from whom access has been obtained.

Jon Sweeten, P.E., Reservoir Regulation Section, US Army Corps of Engineers, Los Angeles District
915 Wilshire Blvd, 12th Floor
LA, CA 90017-3409

Give name and address of any person(s) taking water from the stream between the present point of diversion or redirection and the proposed point of diversion or redirection, as well as any other person(s) known to you who may be affected by the proposed change.

All Right Holders Must Sign This Form: I (we) declare under penalty of perjury that this change does not involve an increase in the amount of the appropriation or the season of diversion, and that the above is true and correct to the best of my (our) knowledge and belief. Dated at


Right Holder or Authorized Agent Signature Right Holder or Authorized Agent Signature

NOTE: All petitions must be accompanied by:
(1) the form Environmental Information for Petitions, including required attachments, available at: http://www.waterboards.ca.gov/waterrights/publications_forms/forms/docs/pet_info.pdf
(2) Division of Water Rights fee, per the Water Rights Fee Schedule, available at: http://www.waterboards.ca.gov/waterrights/water_issues/programs/fees/
(3) Department of Fish and Wildlife fee of \$850 (Pub. Resources Code, § 10005)

ENVIRONMENTAL INFORMATION FOR PETITIONS

This form is required for all petitions.

Before the State Water Resources Control Board (State Water Board) can approve a petition, the State Water Board must consider the information contained in an environmental document prepared in compliance with the California Environmental Quality Act (CEQA). This form is not a CEQA document. If a CEQA document has not yet been prepared, a determination must be made of who is responsible for its preparation. As the petitioner, you are responsible for all costs associated with the environmental evaluation and preparation of the required CEQA documents. Please answer the following questions to the best of your ability and submit any studies that have been conducted regarding the environmental evaluation of your project. If you need more space to completely answer the questions, please number and attach additional sheets.

DESCRIPTION OF PROPOSED CHANGES OR WORK REMAINING TO BE COMPLETED

For a petition for change, provide a description of the proposed changes to your project including, but not limited to, type of construction activity, structures existing or to be built, area to be graded or excavated, increase in water diversion and use (up to the amount authorized by the permit), changes in land use, and project operational changes, including changes in how the water will be used. For a petition for extension of time, provide a description of what work has been completed and what remains to be done. Include in your description any of the above elements that will occur during the requested extension period.

The Sanitation Districts of Los Angeles County (Districts) seek a wastewater change petition to supply 72.3 acre-feet per year (0.06 million gallons per day) of water to San Gabriel Valley Water Company (SGVWC) for non-potable uses including application on landscaping and lawns. The treated wastewater is currently discharged by the Districts from Whittier Narrows Water Reclamation Plant to the Rio Hondo Channel and/or San Gabriel River

Whittier Narrows Water Reclamation (WNWRP) Plant generates approximately 7 to 8 mgd of highly treated effluent some of which is reused with approximately 6.05 mgd (10-year daily average) being discharged under NPDES permit to either the Rio Hondo Channel or the San Gabriel River. Attachment No. 2 shows WNWRP's three discharge points : No. 001, No. 002 and No.004. No. 001 discharges to the San Gabriel River (where it may commingle with discharge from San Jose Creek WRP and Pomona WRP) and has a 10-year daily average flow of 1.65 mgd (27%). No. 002 discharges to the lined Zone 1 Ditch from the same outfall leading to the San Gabriel River (which flows to the Rio Hondo downstream of No. 0004) and has a 10-year average daily flow of 0.83 mgd (14%). No. 004 discharges to the Rio Hondo Channel and has a 10-year daily average flow of 3.57 mgd (59%). The flow is switched between the three points during the year for operational reasons. River flow to all three discharge points is normally used for groundwater recharge at either the Rio Hondo or San Gabriel Coastal spreading grounds.

The Districts propose to reduce WNWRP discharges to discharge points No. 001, No. 002, and No. 004 by approximately 1.1 percent (0.06 mgd of the 6.05 mgd). This reduced flow would be directed to SGVWC and a new South El Monte Extension of the Upper San Gabriel Valley Municipal Water District's recycled water system. An assessment of the potential impacts to biological resources from the reduced discharge is included as Attachment No. 3. The assessment concluded that a daily reduction of 1.1 percent of flow would result in no discernible impact to biological resources downstream of WNWRP.

Based on the limited change in proposed discharge and the lack of construction or other ground disturbance, the District has determined with certainty that there is no possibility that the activity in question may have a significant effect on the environment. Therefore, the proposed diversion qualifies for the "common sense" exemption under CEQA (CEQA Guidelines §15061(b)(3)). Note that the SGVWC is responsible for CEQA analysis on any facilities it may need to convey the diverted water and any impacts at the potential end use sites.

Insert the attachment number here, if applicable:

Coordination with Regional Water Quality Control Board

For change petitions only, you must request consultation with the Regional Water Quality Control Board regarding the potential effects of your proposed change on water quality and other instream beneficial uses. (Cal. Code Regs., tit. 23, § 794.) In order to determine the appropriate office for consultation, see: http://www.waterboards.ca.gov/waterboards_map.shtml. Provide the date you submitted your request for consultation here, then provide the following information.

Date of Request

August 18, 2016

Will your project, during construction or operation, (1) generate waste or wastewater containing such things as sewage, industrial chemicals, metals, or agricultural chemicals, or (2) cause erosion, turbidity or sedimentation?

Yes No

Will a waste discharge permit be required for the project?

Yes No

If necessary, provide additional information below:

Insert the attachment number here, if applicable:

Local Permits

For temporary transfers only, you must contact the board of supervisors for the county(ies) both for where you currently store or use water and where you propose to transfer the water. (Wat. Code § 1726.) Provide the date you submitted your request for consultation here.

Date of Contact

n/a

For change petitions only, you should contact your local planning or public works department and provide the information below.

Person Contacted: Date of Contact:

Department: Phone Number:

County Zoning Designation:

Are any county permits required for your project? If yes, indicate type below. Yes No

- Grading Permit
- Use Permit
- Watercourse
- Obstruction Permit
- Change of Zoning
- General Plan Change
- Other (explain below)

If applicable, have you obtained any of the permits listed above? If yes, provide copies. Yes No

If necessary, provide additional information below:

No permits are required.

Insert the attachment number here, if applicable:

Federal and State Permits

Check any additional agencies that may require permits or other approvals for your project:

- Regional Water Quality Control Board Department of Fish and Game
- Dept of Water Resources, Division of Safety of Dams California Coastal Commission
- State Reclamation Board U.S. Army Corps of Engineers U.S. Forest Service
- Bureau of Land Management Federal Energy Regulatory Commission
- Natural Resources Conservation Service

Have you obtained any of the permits listed above? If yes, provide copies. Yes No

For each agency from which a permit is required, provide the following information:

Agency	Permit Type	Person(s) Contacted	Contact Date	Phone Number

If necessary, provide additional information below:

Whittier Narrows WRP has existing Waste Discharge Requirements under NPDES No. CA0053716. No permit modification is required.
 Whittier Narrows WRP has existing Water Reclamation Requirements under WRR Order No. 88-107. No permit modification is required.

Insert the attachment number here, if applicable:

Construction or Grading Activity

Does the project involve any construction or grading-related activity that has significantly altered or would significantly alter the bed, bank or riparian habitat of any stream or lake? Yes No

If necessary, provide additional information below:

Insert the attachment number here, if applicable:

Archeology

Has an archeological report been prepared for this project? If yes, provide a copy. Yes No

Will another public agency be preparing an archeological report? Yes No

Do you know of any archeological or historic sites in the area? If yes, explain below. Yes No

If necessary, provide additional information below:

Insert the attachment number here, if applicable:

Photographs

For all petitions other than time extensions, attach complete sets of color photographs, clearly dated and labeled, showing the vegetation that exists at the following three locations:

- Along the stream channel immediately downstream from each point of diversion
- Along the stream channel immediately upstream from each point of diversion
- At the place where water subject to this water right will be used

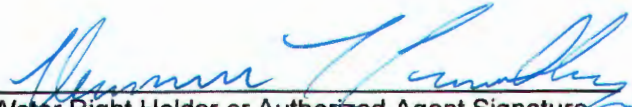
Maps

For all petitions other than time extensions, attach maps labeled in accordance with the regulations showing all applicable features, both present and proposed, including but not limited to: point of diversion, point of rediversion, distribution of storage reservoirs, point of discharge of treated wastewater, place of use, and location of instream flow dedication reach. (Cal. Code Regs., tit. 23, §§ 715 et seq., 794.)

Pursuant to California Code of Regulations, title 23, section 794, petitions for change submitted without maps may not be accepted.

All Water Right Holders Must Sign This Form:

I (we) hereby certify that the statements I (we) have furnished above and in the attachments are complete to the best of my (our) ability and that the facts, statements, and information presented are true and correct to the best of my (our) knowledge. Dated at .



Water Right Holder or Authorized Agent Signature

Water Right Holder or Authorized Agent Signature

NOTE:

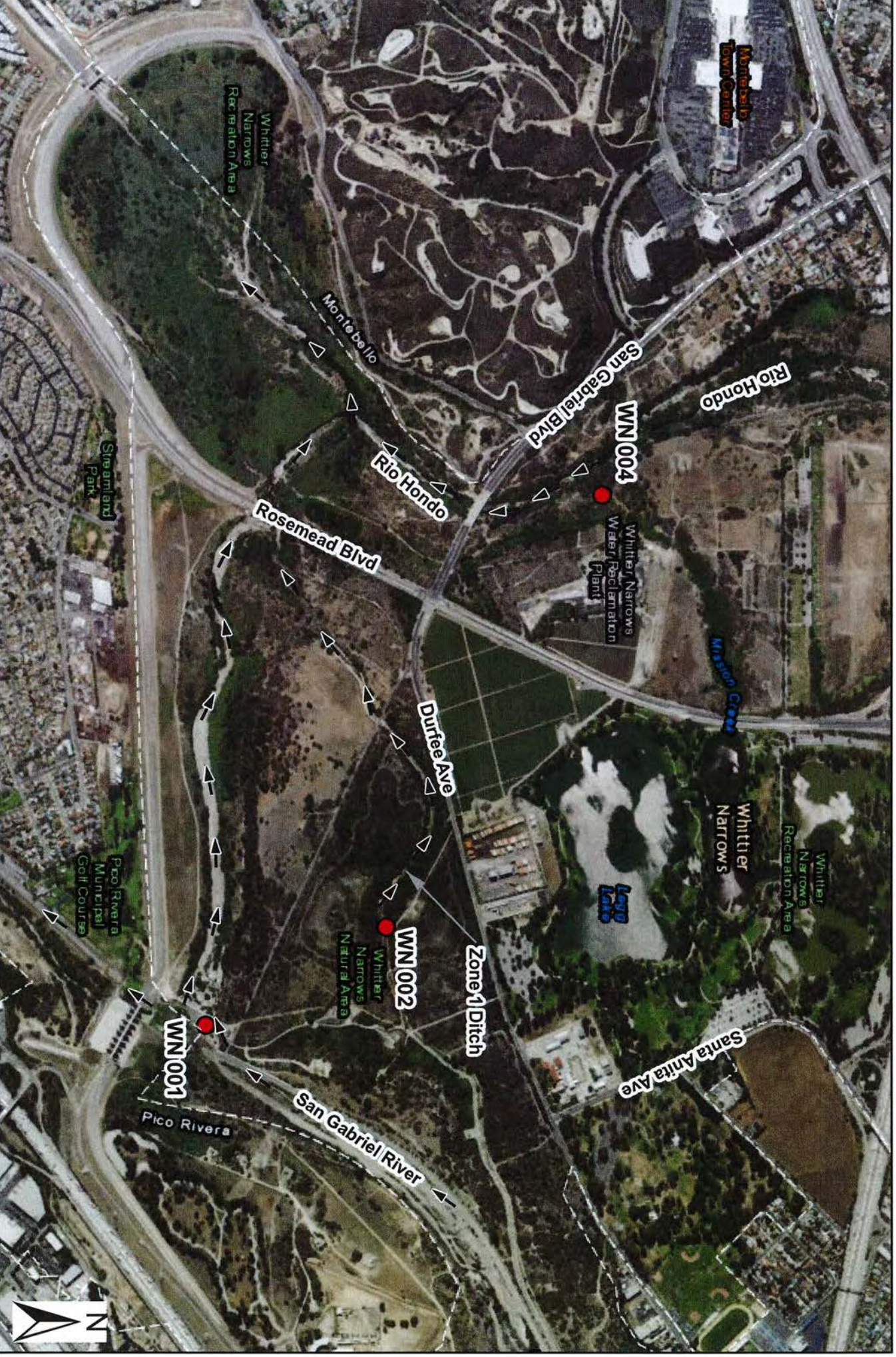
- Petitions for Change may not be accepted unless you include proof that a copy of the petition was served on the Department of Fish and Game. (Cal. Code Regs., tit. 23, § 794.)
- Petitions for Temporary Transfer may not be accepted unless you include proof that a copy of the petition was served on the Department of Fish and Game and the board of supervisors for the county(ies) where you currently store or use water and the county(ies) where you propose to transfer the water. (Wat. Code § 1726.)

ATTACHMENT 1

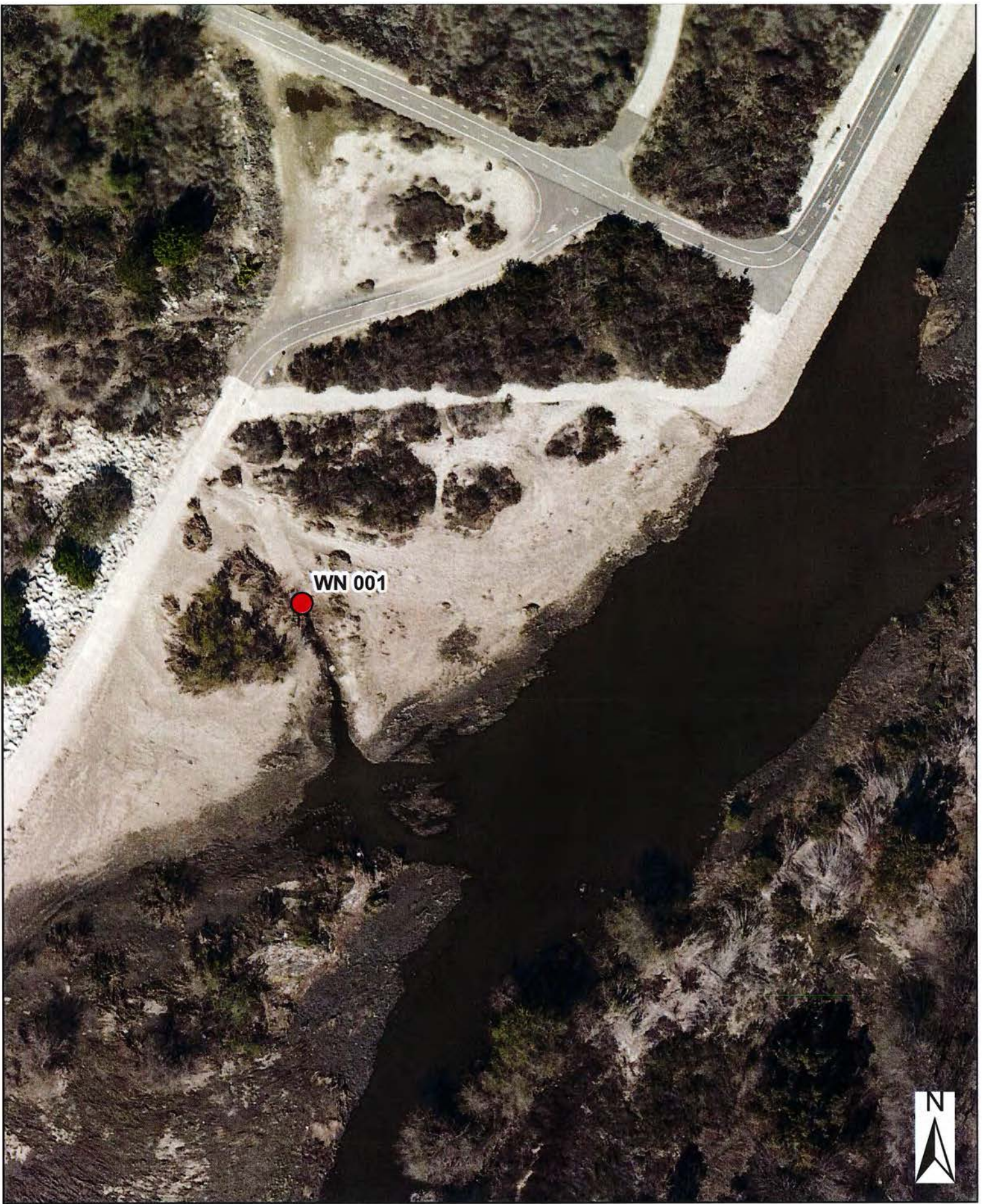
WHITTIER NARROWS WATER RECLAMATION PLANT DISCHARGE POINTS

Discharge Point	Latitude	Longitude	Rancho	Township	Easting	Northing
WN001	34.022778	-118.055278	n/a	n/a	6544916.458	1830676.042
WN002	34.0275	-118.058333	n/a	n/a	6543991.565	1832395.076
WN004	34.032778	-118.071111	Potrero Grande	n/a	6540121.235	1834318.257

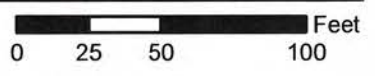
ATTACHMENT 2



Attachment No. 1 - Diversion Points



WN 001

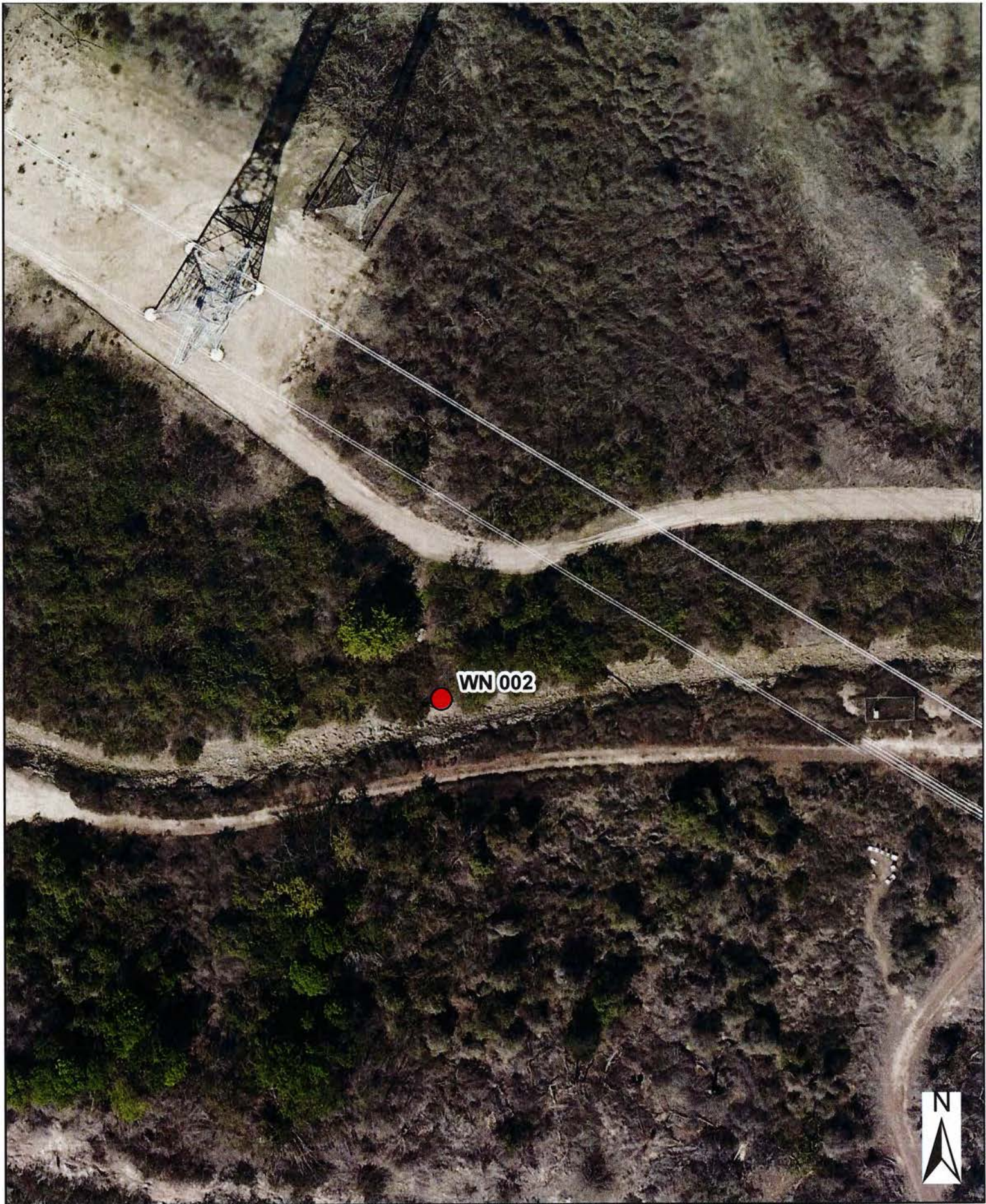


Location: WN 001

LAT: 34.022778 LONG: -118.055278

Date: 10/13/2016

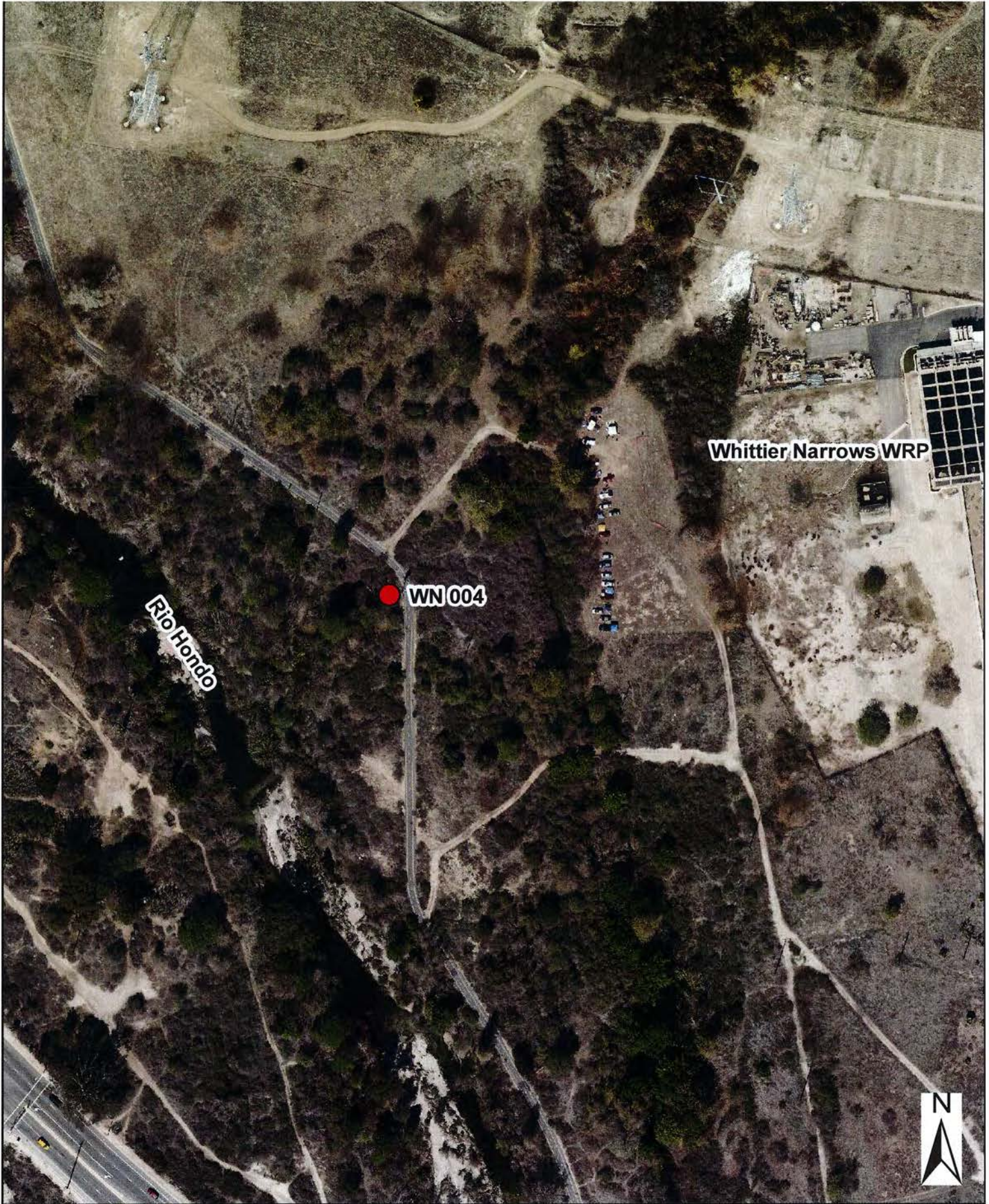
R:\Planning\GIS-Team\Wastewater\WRP\projects\WN_001.mxd cl | Doc# 3843875



Location: WN 002

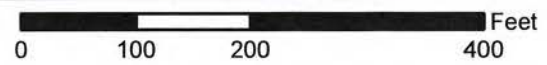
LAT: 34.0275 LONG: -118.058333

0 25 50 100 Feet



Location: WN 004

LAT: 34.03278 LONG: -118.07111



Date: 11/4/2016

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9/19/2016

WN 001



9/19/2016

WN 001 Upstream



WN 001 Downstream

9/19/2016



9/19/2016

WN 002



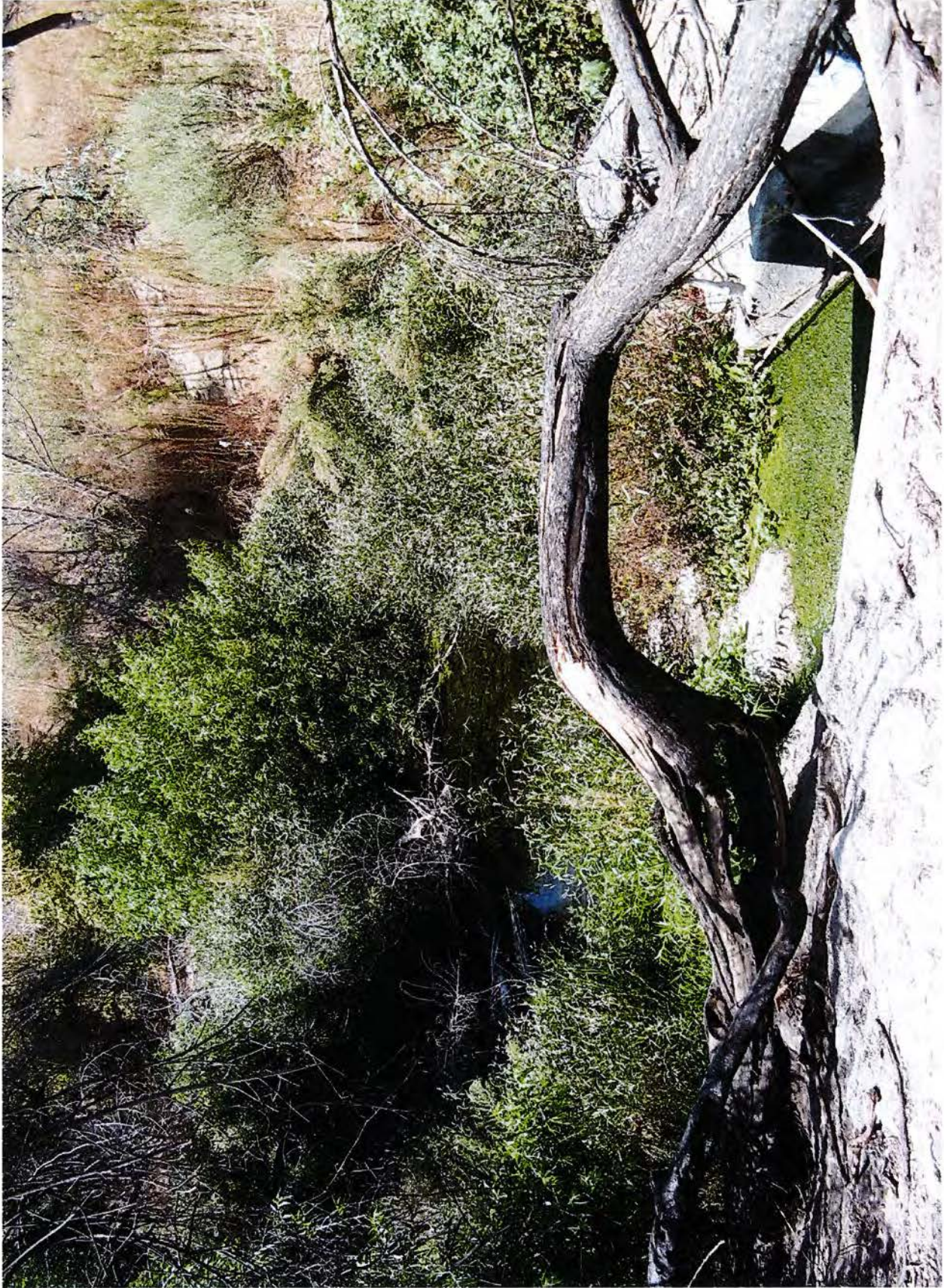
9/19/2016

WN 002 Upstream



9/19/2016

WN 002 Downstream



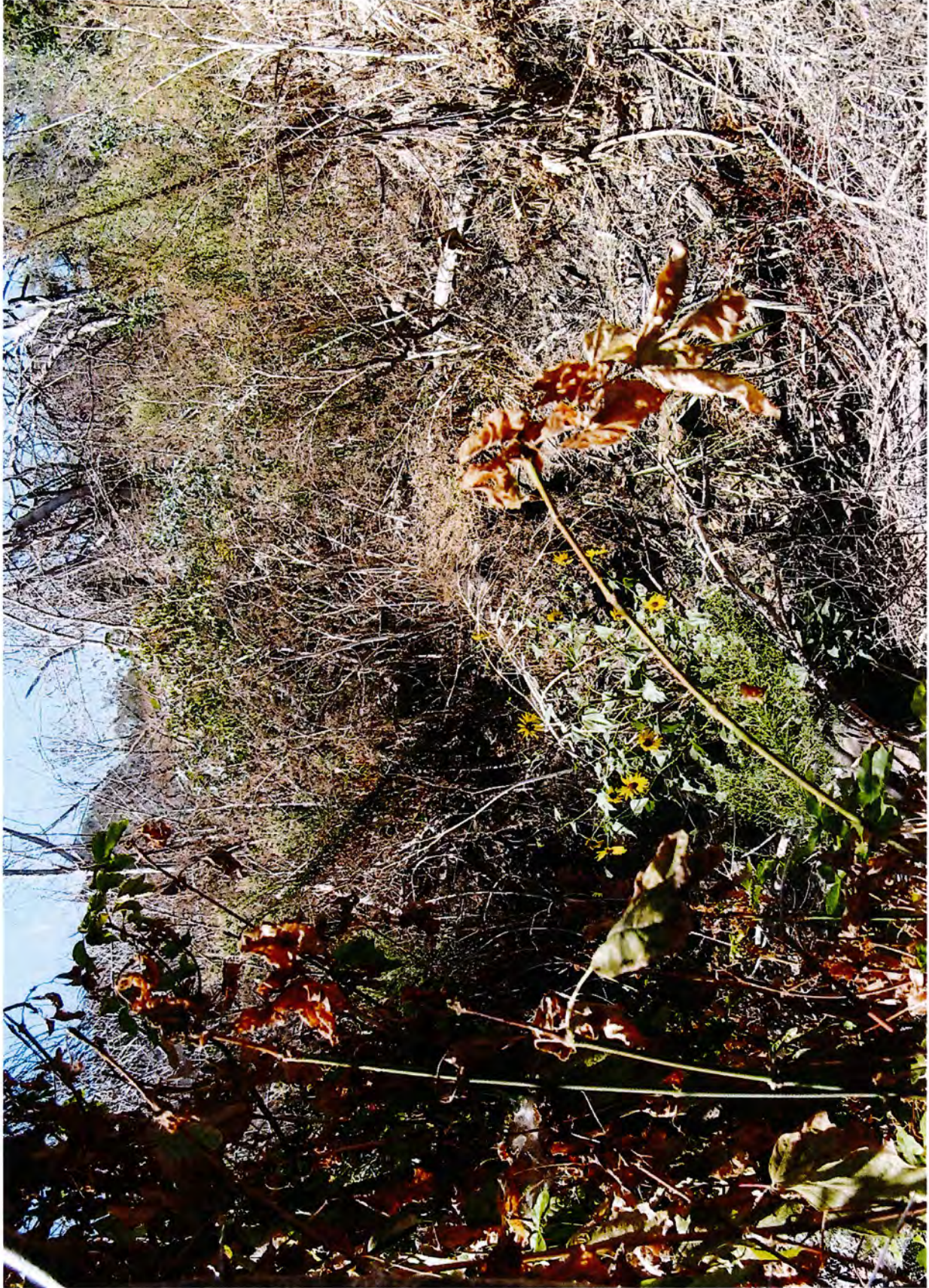
WN 004

9/19/2016



9/19/2016

WN 004 Upstream



9/192016

WN 004 Downstream

ATTACHMENT 3



June 20, 2016
20560/021

Marvin Holmes
Los Angeles County Sanitation Districts
1955 Workman Mill Road
Whittier, CA 90601

SUBJECT: ASSESSMENT OF POTENTIAL IMPACTS TO BIOLOGICAL RESOURCES FROM THE PROPOSED REUSE OF 72.3 ACRE-FEET PER YEAR FROM THE WHITTIER NARROWS WATER RECLAMATION PLANT

Dear Mr. Holmes:

This memo report provides an assessment of potential impacts to biological resources within the San Gabriel and Rio Hondo river ecosystems from the proposed reuse of 72.3 acre-feet per year from the Los Angeles County Sanitation Districts' (LACSD) Whittier Narrows Water Reclamation Plant (WNWRP) Project (Project). The WNWRP is located at 310 North Rosemead Boulevard, in the City of El Monte, Los Angeles County, California.

PROJECT BACKGROUND AND DESCRIPTION

The LACSD serves the regional wastewater and solid waste management needs of Los Angeles County. A subset of LACSD, the Joint Outfall Districts (JOD) operate and maintain the Joint Outfall System (JOS), including several water reclamation plants (WRPs). These WRPs discharge into rivers, including the San Gabriel and Rio Hondo rivers.

LITERATURE REVIEW AND SITE VISIT

Prior to conducting a site visit, Chambers Group, Inc. (Chambers Group) reviewed the LACSD *Supporting Documentation for 1211 Submittal for Increased Recycled Water Use at Whittier Narrows WRP* (1211 WNWRP Memorandum, dated April 21, 2016) for Project background information and hydrological conditions of the Project.

On May 17, 2016, Chambers Group biologist Heather Clayton conducted a site visit by vehicle and on foot. The purpose of the site visit was to assess the potential for biological impacts due to a planned 72.3-acre-foot-per-year, or an average of 0.06-million-gallon-per-day (MGD), reduction in the discharge of water from the WNWRP in support of increased water reuse.

ENVIRONMENTAL SETTING

This section describes the existing environmental conditions on the Project site. Information in this section was gathered through review of the LACSD 1211 WNWRP Memorandum and a visit to the Project site.

Hydrology

The WNWWRP discharges a 10-year daily average of 6.05 MGD of effluent from one of three discharge locations into the San Gabriel River or Rio Hondo River (LACSD 2016). Effluent flow to the San Gabriel and Rio Hondo rivers is rotated between the three discharge locations in order to maintain ephemeral status (LACSD 2016), meaning water does not consistently flow year-round. Nonpotable reuse of effluent has been occurring since 2006. LACSD would like to reduce the average daily river discharge by approximately 1.1 percent, or by an average of 0.065 MGD, across all three discharge stations together, for direct reuse applications (LACSD 2016).

The three discharge stations are located approximately 1.5 miles apart, at various points along the San Gabriel and Rio Hondo rivers. Water was actively being discharged from the San Gabriel River (001) outflow at the time of the Chambers Group site visit on May 18, 2016. Water was flowing at a rate of approximately 5 to 8 cubic feet per second (cfs) across the 20- to 30-foot-wide channel with depths between 4 and 6 inches near the outfall location.

Water was discharged to the Rio Hondo Channel (004) during the week of May 2, 2016, with residual and natural processes creating a stream that was approximately 6 inches deep and 4 to 6 feet wide at the time of the site visit on May 18. Water was flowing at a rate of less than 1 cfs during the time of the site visit.

Water had been discharged from the Zone 1 Ditch (002) outflow station approximately 1 month prior to the site visit, likely during the week of April 18, 2016. No water was present in the channel at the time of the site visit on May 18, 2016.

Vegetation Communities

The No. 004 Discharge Station associated with the soft-bottom Rio Hondo Channel is recovering from the Lincoln Fire that burned more than 370 acres in the Montebello Hills and surrounding area in August 2015. The vegetation in this area consisted of highly disturbed black willow forest dominated by non-native poison hemlock (*Conium maculatum*) and short-pod mustard (*Hirschfeldia incana*), as well as native desert wild grape (*Vitis girdiana*). Scattered resprouts and saplings of native trees such as black willow (*Salix gooddingii*), blue elderberry (*Sambucus nigra* subsp. *caerulea*), coast live oak (*Quercus agrifolia*), western sycamore (*Platanus racemosa*), and Fremont cottonwood (*Populus fremontii* subsp. *fremontii*) appear to be making a slow recovery to the area. Overall, the habitat quality for native riparian bird species and other native wildlife in this area is moderate to high, with the presence of native habitat specialists (e.g., least Bell's vireo, *Vireo bellii pusillus*) detected during the site visit.

Vegetation in the area of the No. 001 Discharge Station in the soft-bottom San Gabriel River channel, where it may comingle with discharge from the San Jose Creek, comprised a healthy stand of black willow woodland dominated by mature black willow trees with an understory of native willow weed (*Persicaria lapathifolia*) and cocklebur (*Xanthium strumarium*) as well as non-native Johnsongrass (*Sorghum halepense*). Lesser amounts of non-native curly dock (*Rumex crispus*), short-pod mustard, Bermuda grass (*Cynodon dactylon*), and giant reed (*Arundo donax*) were also present. Overall, the habitat quality for native riparian bird species and other native wildlife in this area is high.

Vegetation in the area of the No. 002 Discharge Station in the riprap-lined channel of the Zone 1 Ditch leading to the San Gabriel River was dominated by native desert wild grape and considered highly disturbed. The unpaved access road leading to the station was lined with dense stands of short-pod mustard. Few scattered native riparian trees were visible in the surrounding area and included western sycamore and southern California black walnut (*Juglans californica*), with minimal amounts of native understory shrubs including mule fat (*Baccharis salicifolia* subsp. *salicifolia*), California coffee berry (*Frangula californica* subsp. *californica*), and hoary nettle (*Urtica dioica* subsp. *holosericea*) also present. Overall, the habitat quality for native riparian bird species and other native wildlife in this area is very low.

POTENTIAL IMPACTS TO BIOLOGICAL RESOURCES

The riparian vegetation communities observed throughout the Project area are riparian ecosystems which require hydrologic interaction of surface and groundwater. After review of the LACSD 1211 WNWRP Memorandum and conducting a visit to the Project site, Chambers Group does not anticipate that a daily reduction of approximately 1.1 percent would have any discernible impacts to biological resources downstream of the WNWRP discharge locations. The remaining daily average discharge of 5.985 MGD is believed to be a sufficient amount of water to maintain regular ephemeral flow and to support the riparian community ecosystem at or above its current habitat quality levels. Therefore, the Project may fall under the California Environmental Quality Act "common sense" exemption, as determined by the lead agency.

In the past 10 years, flows to the National Pollutant Discharge Elimination System (NPDES) discharge points have been reasonably consistent among the three different stations, with the exception of one 2-year period. Effluent water was not released from Discharge Station 002 at the Zone 1 Ditch between September 2008 and May 2010 but instead was released through the other two stations, mainly at the Rio Hondo (No. 004) station. To maintain consistency among the three stations with as little deviation as possible from current conditions, Chambers Group recommends that flows be maintained among all three stations at intervals where the time between discharges does not exceed two years.

Please contact me at (909) 335-7068 ext. 7330 if you have any questions or concerns regarding this memo.

Sincerely,

Saraiah Skidmore

Saraiah Skidmore
Senior Biologist / Project Manager
sskidmore@chambersgroupinc.com

REFERENCES

Sanitation Districts of Los Angeles County (LACSD)

- 2016 *Supporting Documentation for 1211 Submittal for Increased Recycled Water Use at the Whittier Narrows WRP*. Sanitation Districts of Los Angeles County. Los Angeles County, California. April 21, 2016.

ATTACHMENT 4

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD—
LOS ANGELES REGION**

SOUTH BROADWAY, SUITE 4027
LOS ANGELES, CALIFORNIA 90012-4596
(213) 620-4460



October 31, 1988

Mr. Robert W. Horvath
Head, Monitoring and Research
County Sanitation Districts of
Los Angeles County
P.O. Box 4998
Whittier, CA 90607

**WATER RECLAMATION REQUIREMENTS - WHITTIER NARROWS WATER
RECLAMATION PLANT (FILE NO. 88-40; CI 6844)**

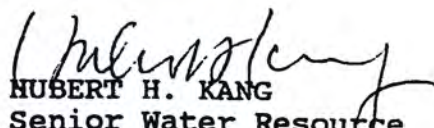
Reference is made to our letter dated October 5, 1988, which transmitted a draft of tentative requirements for your reuse of municipal treated wastewater from the subject wastewater treatment plant.

Pursuant to Section 13523 of the California Water Code, this California Regional Water Quality Control Board, at a public meeting held on October 24, 1988, reviewed these tentative water reclamation requirements, considered all factors in the case, and adopted Order No. 88-107 (copy attached) relative to this matter.

Enclosed are copies of the subject Order and Monitoring and Reporting Program. Please note that Provision D, Items 20 and 21 require you to submit to this Board technical reports within 90 days of the effective date of this Order.

The "Monitoring and Reporting Program" requires you to implement the monitoring program on the effective date of this Order. Your first monitoring report is due by December 15, 1988.

If you have any questions, please call Shana K. Manafian at (213) 620-5413.


HUBERT H. KANG
Senior Water Resource
Control Engineer

cc: See attached mailing list

Enclosures

Mailing List

Mr. Archie Matthews, State Water Resources Control Board,
Division of Water Quality
Ms. Bonnie Wolstoncroft, State Water Resources Control Board,
Office of Chief Counsel
Department of Water Resources, Southern District
Department of Fish and Game, Region 5
Department of Health Services, Public Water Supply Branch
Los Angeles County, Department of Health Services
Los Angeles County, Department of Public Works, Hydraulic/Water
Conservation Division
Los Angeles County, Department of Public Works, Engineering
Services Division
Central and West Basin Water Replenishment District
City of El Monte
South Coast Air Quality Management District

State of California
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

ORDER NO. 88-107

WATER RECLAMATION REQUIREMENTS
FOR

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY
(Whittier Narrows Water Reclamation Plant)
(File No. 88-40)

The California Regional Water Quality Control Board, Los Angeles Region, finds:

1. County Sanitation Districts of Los Angeles County have filed a report of water reclamation in accordance with California Water Code, Division 7, Chapter 7, Section 13522.5 to apply for water reclamation requirements for its Whittier Narrows Water Reclamation Plant.
2. County Sanitation Districts of Los Angeles County (hereinafter referred to as "Reclaimer") operate Whittier Narrows Water Reclamation Plant, located at 301 North Rosemead Boulevard, El Monte, California, with a design capacity of 15.0 million gallons per day (mgd), and reclaim all or a portion of the treated municipal wastewater.
3. The wastewater treatment consists of primary sedimentation, activated sludge biological treatment, secondary clarification, coagulation, inert media filtration, chlorination, and dechlorination. No facilities are provided for solids processing at the plant. All sewage solids separated from the wastewater are returned to the trunk sewer for final disposal at the Reclaimer's Joint Water Pollution Control Plant.
4. Effluent from this plant is discharged to surface waters, San Gabriel River and Rio Hondo, under National Pollutant Discharge Elimination System permit (NPDES permit No. CA0053716) . Effluent is also reclaimed for groundwater recharge under separate water reclamation requirements (File Nos. 71-67 and 60-129) adopted by this Board.
5. The Reclaimer currently proposes to reuse an additional 0.05 mgd of water for irrigation of nursery stock. Additional reuse projects may also be developed in the future.

6. The areas of reclaimed water use are located within the San Gabriel Valley Hydrologic Subunit.
7. A recent total dissolved solids (TDS) analysis for the plant's influent at the Whittier Narrows Water Reclamation Plant showed 538 mg/l of TDS. The TDS analyses for the plant's effluent ranged between 440-580 mg/l for the period of July 1987 through June 1988.
8. The Board adopted a Revised Water Quality Control Plan for Los Angeles River Basin on November 27, 1978. The Plan contains water quality objectives for ground water in San Gabriel Valley Hydrologic Subunit. The Basin Plan objective for TDS in the Westerly Portion of Main San Gabriel Basin is 450 mg/l.
9. Section 13523.5 of Water Code states that " A regional board may not deny issuance of water reclamation requirements to a project which violates only a salinity standard in the basin plan."
10. Ground water in the San Gabriel Valley Hydrologic Subunit is beneficially used for municipal and domestic supply, industrial service and process supply, agricultural supply, and freshwater replenishment.
11. Section 13523 of the Water Code provides that a regional board, after consulting with and receiving the recommendations of the State Department of Health Services and after any necessary hearing, shall, if it determines such action to be necessary to protect the public health, safety, or welfare, prescribe water reclamation requirements for water which is used or proposed to be used as reclaimed water. Section 13523 further provides that such requirements shall include, or be in conformance with, the statewide reclamation criteria.
12. The use of reclaimed water for irrigation could affect the public health, safety, or welfare; requirements for such use are therefore necessary in accordance with Section 13523 of the Water Code.

13. This project involves an existing facility and as such is exempt from the provisions of the California Environmental Quality Act in accordance with California Code of Regulations, Title 14, Chapter 3, Section 15301.

The Board has notified the Reclaimer and interested agencies and persons of its intent to prescribe water reclamation requirements for the use of reclaimed water and has provided them with an opportunity to submit their written views and recommendations.

The Board in a public meeting heard and considered all comments pertaining to use of reclaimed water and to the tentative water reclamation requirements.

IT IS HEREBY ORDERED, that County Sanitation Districts of Los Angeles County, shall comply with the following:

A. Reclaimed Water Limitations

1. Reclaimed water shall be limited to treated municipal wastewater only, as proposed.
2. Reclaimed water shall not contain constituents in excess of the following limits:

<u>Constituent</u>	<u>Unit</u>	<u>DISCHARGE LIMITATIONS</u>		
		<u>30-day Average</u>	<u>7-day Average</u>	<u>Daily Maximum</u>
Total dissolved solids	mg/l	-	-	600
Chloride	mg/l	-	-	100
Sulfate	mg/l	-	-	150
Boron	mg/l	-	-	0.5
Suspended solids	mg/l	15	40	-
Settleable solids	ml/l	0.1	-	0.3
BOD 20 ⁰ C	mg/l	20	30	-
Oil and grease	mg/l	10	-	15
Nitrite-N plus Nitrate- N	mg/l	10	-	-
Fluoride	mg/l	-	-	1.6

3. The pH of reclaimed water shall at all times be within the range 6.0 to 9.0.
4. Reclaimed water shall not contain trace constituents or other substances in concentrations exceeding the limits contained in the current

edition of the California Department of Health Services Drinking Water Standards.

5. Radioactivity shall not exceed the limits specified in Title 22, Chapter 15, Article 5, Sections 64441 and 64443, California Code of Regulations, or subsequent revisions.
6. Reclaimed water, used for agricultural supply, shall not contain concentrations of chemical constituents in amounts that adversely affect such beneficial use.

B. Specifications for Use of Reclaimed Water

1. Reclaimed water used for the irrigation of golf courses (away from residential area), cemeteries, freeway landscapes, and landscapes in other areas where the public has similar access or exposure shall be at all times an adequately disinfected, oxidized wastewater.

The wastewater shall be considered adequately disinfected if the median number of coliform organisms in the effluent does not exceed 23 per 100 milliliters, as determined from the bacteriological results of the last 7 days for which analyses have been completed, and the number of coliform organisms does not exceed 240 per 100 milliliters in any two consecutive samples.

Oxidized wastewater means wastewater in which the organic matter has been stabilized, is nonputrescible, and contains dissolved oxygen.

Disinfected wastewater means wastewater in which the pathogenic organisms have been destroyed by chemical, physical or biological means.

2. Reclaimed water used for the irrigation of parks, playgrounds, schoolyards, golf courses adjacent to residential areas, and other areas where the public has similar access or exposure shall be at all times an adequately disinfected, oxidized, coagulated, clarified, filtered wastewater or a wastewater treated by a sequence of unit processes that will assure an equivalent degree of treatment and reliability.

The wastewater shall be considered adequately disinfected if the median number of coliform organisms in the effluent does not exceed 2.2 per 100 milliliters, as determined from the bacteriological results of the last 7 days for which analyses have been completed, and the number of coliform organisms does not exceed 23 per 100 milliliters in any sample.

A coagulated wastewater means an oxidized wastewater in which colloidal and finely divided suspended matter have been destabilized and agglomerated by the addition of suitable flocc-forming chemicals or by an equally effective method.

A filtered wastewater means an oxidized, coagulated, clarified wastewater which has been passed through natural undisturbed soils or filter media, such as sand or diatomaceous earth, so that the turbidity as determined by an approved laboratory method does not exceed an average operating turbidity of 2 turbidity units and does not exceed 5 turbidity units more than 5 percent of the time during any 24-hour period.

3. Reclaimed water used as a source of supply in a nonrestricted recreational impoundment (an impoundment of reclaimed water in which no limitations are imposed on body-contact water sport activities) shall be at all times an adequately disinfected, oxidized, coagulated, clarified, filtered wastewater.

The wastewater shall be considered adequately disinfected if at some location in the treatment process the median number of coliform organisms does not exceed 2.2 per 100 milliliters and the number of coliform organisms does not exceed 23 per 100 milliliters in more than one sample within any 30-day period. The median value shall be determined from the bacteriological results of the last 7 days for which analyses have been completed.

4. Reclaimed water used as a source of supply in a restricted recreational impoundment (a body of reclaimed water in which recreation is limited to fishing, boating, and other non-body-contact water recreation activities) shall be at all times an adequately disinfected, oxidized wastewater.

The wastewater shall be considered adequately disinfected if at some location in the treatment process the median number of coliform organisms does not exceed 2.2 per 100 milliliters, as determined from the bacteriological results of the last 7 days for which analyses have been completed.

5. Reclaimed water used as a source of supply in a landscape impoundment (a body of reclaimed water which is used for aesthetic enjoyment or which otherwise serves a function not intended to include public contact) shall be at all times an adequately disinfected, oxidized wastewater.

The wastewater shall be considered adequately disinfected if at some location in the treatment process the median number of coliform organisms does not exceed 23 per 100 milliliters, as determined from the bacteriological results of the last 7 days for which analyses have been completed.

6. Reclaimed water shall not be directly used for uses other than those enumerated above until requirements for other uses have been established by this Board in accordance with Section 13523 of the California Water Code, unless the Board waives such requirements or finds that the above cited standards are applicable to these uses.
7. Reclaimed water uses shall meet the requirements specified in the "Guidelines for Use of Reclaimed Water" issued by the State Department of Health Services.

8. Reclaimed water used for irrigation shall be retained on the areas of use and shall not be allowed to escape as surface flow except as provided for in a National Pollutant Discharge Elimination System Permit.

For the purpose of this requirement, however, minor amounts of irrigation return water from peripheral areas shall not be considered a violation of this Order provided the discharge otherwise meets the requirements contained in a National Pollutant Discharge Elimination System Permit issued to the County Sanitation Districts of Los Angeles County (Whittier Narrows Water Reclamation Plant).

9. Reclaimed water shall be applied at such a rate and volume as not to exceed vegetative demand and soil moisture conditions. Special precautions must be taken to prevent clogging of spray nozzles, to prevent overwatering and to exclude the production of runoff. Pipelines shall be maintained so as to prevent leaks.
10. Reclaimed water used for irrigation shall not be allowed to run off into recreational lakes unless it meets the criteria for such lakes.

C. General Requirements

1. The discharge or use of raw or inadequately treated sewage at any time is prohibited.
2. Reclaimed water shall not be used for irrigation during periods of extend rainfall and/or runoff.
3. Standby or emergency power facilities and/or sufficient storage capacity shall be provided so that in the event of plant upset or outages, (due to power failure) or other causes, discharge of raw or inadequately treated sewage does not occur.
4. Reclaimed water use or disposal shall not result in earth movement in geologically unstable areas.

5. Adequate freeboard shall be maintained in reclaimed water storage pond to ensure that direct rainfall will not cause overtopping.
6. Neither treatment of waste nor any reclaimed water use or disposal shall cause pollution or nuisance.
7. Water reclamation and reuse or disposal shall not result in problems due to breeding of mosquitoes, gnats, midges, or other pests.
8. Reclaimed water use or disposal shall not impart tastes, odors, color, foaming, or other objectionable characteristics to receiving waters.
9. Reclaimed water shall not contain any substance in concentrations toxic to human, animal, or plant life.
10. Odors of sewage origin shall not cause a nuisance.
11. Reclaimed water use or disposal shall not cause a violation of any applicable water quality standards for receiving waters adopted by this Board or the State Water Resources Control Board.

D. Provisions

1. A copy of these requirements shall be maintained at the reclamation and reclaimed water use facilities so as to be available at all times to operating personnel.
2. The Reclaimer must comply with all of the terms, requirements and conditions of this Order. Any violation of this Order constitutes a violation of the California Water Code, and is grounds for enforcement action, Order termination, Order revocation, and reissuance denial of an application for reissuance, or any combination thereof.
3. This Order may be modified, revoked and reissued, or terminated for cause. The filing of a request by the Reclaimer for a modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any condition of this Order.

4. This Order does not convey any property rights of any sort, or any exclusive privilege.
5. The Reclaimer shall furnish within a reasonable time, any information the Regional Board may request to determine whether cause exists for modifying, revoking and reissuing, or terminating the Order. The Reclaimer shall also furnish to the Regional Board, upon request, copies of records requested to be kept by this Order.
6. The Reclaimer shall take all reasonable steps to minimize or prevent any discharge that has a reasonable likelihood of adversely affecting human health or the environment.
7. In the event of any change in name, ownership, or control of these waste treatment and reclamation facilities, the Reclaimer shall notify this Board of such change and shall notify the succeeding owner or operator of the existence of this Order by letter, copy of which shall be forwarded to the Board.
8. In accordance with Section 13522.5 of the Water Code, the Reclaimer shall file with this Regional Board a report of any material change or proposed change in the character of the reclaimed water or its uses.
9. The Reclaimer shall file with the Board technical reports on self monitoring work performed according to the detailed specifications contained in the Monitoring and Reporting Program, as directed by the Executive Officer.
10. The Reclaimer shall notify this Board by telephone within 24 hours of any violations of reclaimed water use requirements or any adverse conditions as a result of the use of reclaimed water from this facility; written confirmation shall follow within one week.
11. The Reclaimer shall notify Board staff by telephone immediately of any confirmed coliform counts that could cause a violation of the 7-day median limit, including the date(s) thereof. This information shall be confirmed in the next

monitoring report; in addition, for any actual coliform limit violations that occurred, the report shall also include the reasons for the high coliform results, the steps being taken to correct the problem (including dates thereof), and the steps being taken to prevent a recurrence.

12. These requirements do not exempt the Reclaimer from compliance with any other laws, regulations, or ordinances which may be applicable; they do not legalize this reclamation facility, and they leave unaffected any further restraint on the use of reclaimed water which may be contained on other statutes or required by other agencies.
13. The Reclaimer shall be responsible to insure that all users of reclaimed water comply with the specifications and requirements for such use.
14. This Order does not alleviate the responsibility of the Reclaimer to obtain other necessary local, state, and federal permits to construct facilities necessary for compliance with this Order; nor does this Order prevent imposition of additional standards, requirements, or conditions by any other regulatory agency. Expansion of this facility from its current capacity shall be contingent upon issuance of all necessary permits, including a conditional use permit.
15. Supervisors and operators of this publicly owned wastewater treatment plant shall possess a certificate of appropriate grade as specified in California Code of Regulations, Title 23, Chapter 3, Subchapter 14, Section 2455 and 2460.
16. The Reclaimer shall provide to each user of reclaimed water from Whittier Narrows Water Reclamation Plant a copy of these requirements, to be maintained at the user's facility so as to be available at all times to operating personnel.
17. For any extension of the reclaimed water system, the Reclaimer shall submit a report detailing the extension for the approval of the Executive Officer. Following construction, as-built drawings shall be submitted to the Executive Officer for approval prior to use of reclaimed water.

18. The requirements prescribed herein do not authorize the commission of any act causing injury to the property of another, nor protect the Reclaimer from liabilities under federal, state, or local laws.
19. The Regional Board and other authorized representatives shall be allowed:
 - a. Entry upon premises where a regulated facility or activity is located or conducted, or where records are kept under the conditions of this Order;
 - b. Access to copy any records that are kept under the conditions of this Order;
 - c. To inspect any facility, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Order; and
 - d. To photograph, sample, and monitor for the purpose of assuring compliance with this Order, or as otherwise authorized by the California Water Code.
20. The Reclaimer shall submit to this Board, within 90 days of the effective date of this order, a report demonstrating compliance with the requirements specified in Chapter 3, Division 4, Title 22, of California Code of Regulations.
21. The Reclaimer shall submit to this Board, within 90 days of the effective date of this Order, a technical report on his preventive (failsafe) and contingency (cleanup) plans for controlling accidental discharges, and for minimizing the effect of such events. The technical report should:
 - (a) Identify the possible sources of accidental loss, untreated waste bypass, and contaminated drainage. Loading and storage areas, power outage, waste treatment unit outage, and failure of process equipment, tanks and pipes should be considered.

- (b) Evaluate the effectiveness present facilities and procedures and state when they become operational.
- (c) Describe facilities and procedures needed for effective preventive and contingency plans.
- (d) Predict the effectiveness of the proposed facilities and procedure and provide an implementation schedule containing interim and final dates when they will be constructed, implemented, or operational.

This Board, after review of the technical report, may establish conditions which it deems necessary to control accidental discharges and to minimize the effects of such events. Such conditions may be incorporated as part of this order, upon notice to the Reclaimer.

I, Robert P. Ghirelli, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Los Angeles Region, on October 24, 1988.

Robert P. Ghirelli
ROBERT P. GHIRELLI, D.Env.
Executive Officer

STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD, LOS ANGELES REGION

MONITORING AND REPORTING PROGRAM NO. 6844
FOR

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY
(Whittier Narrows Water Reclamation Plant)
(File No. 88-40)

The discharger shall implement this monitoring program on the effective date of this Order. All monitoring reports shall be submitted monthly, by the fifteenth day of the second month following each monthly sampling period. The first monitoring report under this program shall be submitted by December 15, 1988.

Quarterly effluent analyses shall be performed during the months of February, May, August, and November. Weekly effluent analyses shall be performed on different weekdays during each month.

By March 5 of each year, the Reclaimer shall submit an annual report to the board. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous year. In addition, the Reclaimer shall discuss the compliance record and the corrective actions taken or planned which may be needed to bring the discharge into full compliance with the requirements.

Values obtained for the NPDES monitoring report during periods of discharge to surface waters may be reported here in lieu of duplicate testing, if representative. However, non-NPDES self-monitoring reports shall be submitted separately from the NPDES monitoring reports.

Reclaimed Water Monitoring

A sampling station shall be established where representative samples of reclaimed water can be obtained. Reclaimed water samples may be obtained at a single station provided that station is representative of the quality at all discharge points. Each sampling station shall be identified. The following shall constitute the reclaimed water monitoring program for reclaimed water used as described in the Water Reclamation Requirements:

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Frequency of Analysis</u>
✓ Turbidity ^{1/}	NTU	continuous	-----
✓ Total flow ^{2/}	gallon	continuous	-----
✓ Coliform group ^{3/}	MPN/100ml	grab	daily
pH	pH units	grab	daily
✓ Total dissolved solids	mg/l	24-hr composite	monthly
✓ Chloride	mg/l	24-hr composite	monthly
Boron	mg/l	24-hr composite	monthly
Fluoride	mg/l	24-hr composite	monthly
✓ Sulfate	mg/l	24-hr composite	monthly
✓ BOD ₅ 20 ⁰ C	mg/l	24-hr composite	weekly
Oil and grease	mg/l	grab	monthly
✓ Suspended solids	mg/l	24-hr composite	daily
Settleable solids	ml/l	grab	daily
✓ Nitrate-N plus Nitrite-N	mg/l	24-hr composite	monthly
✓ Arsenic	mg/l	24-hr composite	quarterly
Barium	mg/l	24-hr composite	quarterly
Cadmium	mg/l	24-hr composite	quarterly
Chromium	mg/l	24-hr composite	quarterly
Lead	mg/l	24-hr composite	quarterly
Mercury	mg/l	24-hr composite	quarterly
Selenium	mg/l	24-hr composite	quarterly
Silver	mg/l	24-hr composite	quarterly
Cyanide	mg/l	24-hr composite	quarterly
✓ Nitrate	mg/l	24-hr composite	quarterly
Fluoride	mg/l	24-hr composite	quarterly
Radioactivity	pCi/l	24-hr composite	quarterly
Total identifiable chlorinated hydrocarbons	ug/l	grab	quarterly
Priority Pollutants	ug/l	grab	semi-annually

¹Required only for applications having a turbidity limit. The average value recorded each day and amount of time that 5 NTU was exceeded each day shall be reported. Turbidity samples may be obtained anywhere in the treatment process subsequent to the filtration procedure.

²Shall report the daily volume of reclaimed water used at each site of use.

³Samples shall be obtained at some point in the treatment process at a time when wastewater flow and characteristics are most demanding on the treatment facility and disinfection procedures. The location(s) of the sampling point(s) and any changes thereto

must be approved by the Executive Officer, and proposed changes shall not be made until such approval has been granted. If reclaimed water is used for irrigation of golf courses, cemeteries, freeway landscapes, parks, playgrounds, schoolyards, or other areas where the public has similar access or exposure, samples shall be obtained subsequent to the chlorination procedure. Coliform values obtained must meet the strictest requirement specified for all uses during periods of multiple use, unless separate coliform analyses are obtained at each particular point of use.

General Provisions for Sampling and Analysis

All sampling, sample preservation, and analyses shall be performed in accordance with the latest edition of "Guidelines Establishing Test Procedures for Analysis of Pollutants", promulgated by the United States Environmental Protection Agency.

All chemical, bacteriological, and bioassay analyses shall be conducted at a laboratory certified for such analyses by the State Water Resources Control Board or approved by the Executive Officer.

General Provisions for Reporting

For every item where the requirements are not met, the Reclaimer shall submit a statement of the actions undertaken or proposed which will bring the discharge into full compliance with requirements at the earliest time and submit a timetable for correction.

The Reclaimer shall maintain all sampling and analytical results, including strip charts; date, exact place, and time of sampling; dates analyses were performed; analyst's name; analytical techniques used; and results of all analyses. Such records shall be retained for a minimum of three years. This period of retention shall be extended during the course of any unresolved litigation regarding this discharge or when requested by the Board.

In reporting the monitoring data, the Reclaimer shall arrange the data in tabular form so that the date, the constituents, and the concentrations are readily discernable. The data shall be summarized to demonstrate compliance with Water Reclamation Requirements and, where applicable, shall include results of receiving water observations.

The Reclaimer shall file a report with this Board describing the purposes for which reclaimed water from this facility is used, estimating quantities used for each type of use, depicting on a map

or drawing the area(s) of use, and stating the name and address of each user of reclaimed water if other than the Reclaimer. This report shall be updated at least annually, and shall be included with the annual report due March 5 of each year.

Each monthly report shall include a statement that all reclaimed water was used only as specified in the requirements during the month.

If no water was delivered for reuse during the month, the report shall so state.

Monitoring reports shall be signed by:

- a. In the case of corporations, by a principal executive officer at least of the level of vice-president or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which discharge originates;
- b. In the case of a partnership, by a general partner;
- c. In the case of a sole proprietorship, by the proprietor;
- d. In the case of municipal, state or other public facility, by either a principal executive officer, ranking elected official, or other duly authorized employee.

Each report shall contain the following completed declaration:

"I declare under penalty of perjury that the foregoing is true and correct.

Executed on the _____ day of _____ at _____.

(Signature)

(Title)"

Ordered by

Robert P. Ghirelli

ROBERT P. GHIRELLI, D.Env.
Executive Officer

Date: October 24, 1988