

APPENDIX K

Statement of Work and Locations

APPENDIX K

AS-NEEDED AQUATIC WEED AND ALGAE GROWTH CONTROL SERVICES STATEMENT OF WORK

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As-Needed Services Aquatic Weed and Algae Growth Control STATEMENT OF WORK

I. ADMINISTRATIVE SPECIFICATIONS

1.0 GENERAL REQUIREMENTS

- 1.1 The Contractor shall thoroughly complete each task in a professional, workmanlike manner. To this end, the Contractor will use quality equipment and materials that comply with all current regulations. The safety of workers, passersby, and the public shall be paramount.
- 1.2 The Contractor shall provide the labor, materials, equipment, and all other related items necessary for the provision of aquatic weed and algae growth control services, except as otherwise specified hereinafter. Tasks shall be performed with nothing but the highest of standards at no less than the frequencies set forth herein.
- 1.3 The Contractor is hereby required to render and provide aquatic weed and algae growth control services pursuant to specifications and frequencies established by the County of Los Angeles Department of Parks and Recreation, as set forth herein or revised by the County.
- 1.4 The Contractor shall not work or perform any operations, particularly during periods of inclement weather, which may destroy or damage groundcover, or turf areas.
- 1.5 The Contractor recognizes, that during the course of this Contract, other activities and operations may be conducted by County work forces and other contracted parties. These activities may include, but not be limited to, landscape refurbishment, irrigation system modification or repair, construction and/or storm related operations. The Contractor may be required to modify or curtail certain tasks and operations and shall promptly comply with any request therefor by the Director.
- 1.6 The Contractor shall, during the hours and days of service, as identified in Section 6.0, respond to all emergencies within two (2) hours of notification.
- 1.7 The Contractor shall be required to clearly identify and equip each vehicle used at said facilities with decals on the exterior right and left front door panels identifying the Contractor's name, and phone number.

2.0 FACILITIES

- 2.1 The lakes to be serviced under the provisions of this Contract are as follows and are specifically located within park boundaries at the addresses identified below:

Alondra Community Regional Park, 3850 W. Manhattan Bch. Blvd., Lawndale
Apollo Community Regional Park, 4555 W. Avenue G, Lancaster

Arboretum of Los Angeles County, 301 North Baldwin Avenue, Arcadia
Frank G. Bonelli Regional Park, 120 Via Verde Drive, San Dimas
Castaic Lake State Recreation Area, 32132 Castaic Lake Drive, Castaic
Don Knabe Community Regional Park, 19700 S. Bloomfield Avenue, Cerritos
Kenneth Hahn State Recreation Area, 4100 N. La Cienega Blvd., Los Angeles
La Mirada Community Regional Park, 13701 S. Adelfa Avenue, La Mirada
Ervin Magic Johnson Recreation Area, 905 E. El Segundo Blvd., Los Angeles
Santa Fe Dam Recreation Area, 15501 E. Arrow Hwy., Irwindale
South Coast Botanic Garden, 26300 Crenshaw Blvd., Palos Verdes Peninsula
Whittier Narrows Nature Center, 1000 North Durfee Avenue, South El Monte
Whittier Narrows Recreation Area, 751 S. Santa Anita Ave., South El Monte

- 2.2 The Contractor acknowledges personal inspection of the lakes and facilities and the surrounding areas and has evaluated the extent to which the physical condition thereof will affect the services to be provided.

3.0 CERTIFICATIONS/REPORTS

3.1 Service Function Report

The Contractor shall maintain and keep current a report that records when all service functions performed by the Contractor's personnel were completed. Said report shall be in a form and content acceptable to the Director and will be made available to the Director upon request. The payment may not be made if such report is requested and is not made available or is in a form that is unacceptable to the Director.

3.2 Certifications and Chemical Use Report

- 3.2.1 Prior to any chemical, disease and/or pest control work performed, a copy of the Pest Control Advisor recommendation for each application (site specific) shall be provided to County's Project Manager and the applicator.
- 3.2.2 Upon completion of any chemical, disease and/or pest control application, the Contractor shall submit a chemical use report that includes a valid licensed California Pest Control Advisor's recommendations and copies of corresponding Agricultural Commissioner's Pesticide Use Reports signed by a licensed California Pest Control Operator. In addition, the report shall be accompanied by a listing of each material used, quantity used, the location of use, the date used, the person responsible for the report, the applicator's name and the license number under which the applicator was operating.
- 3.2.3 The Contractor shall submit the chemical use report (site specific) with each invoice. This shall be in addition to the copy of the report (site specific) that is submitted to the County Agricultural Commissioner and other appropriate agencies.
- 3.2.4 Records of all operations stating dates, times, methods of application, chemical formulations, applicators' names and weather

conditions shall be made and retained in an active file during the term of the contract and for a minimum of three (3) years after expiration or termination of the contract.

4.0 ADDITIONAL WORK

- 4.1 As authorized in Section 8.1, Change Notices and Amendments, of the Contract, the Director may at his discretion, modify the Contractor's Schedule when such work arises out of extraordinary incidents such as vandalism, Acts of Nature, and third-party negligence; or services required due to new or the modification of existing facilities or recreation programs.
- 4.2 If the Contractor, upon inspection of the lake, finds aquatic weed and/or algae growth not identified in the Work Order Request, the Contractor may submit a separate bid package for that specific variety or varieties found. However, the following procedures must be followed:
 - the aquatic weed or algae growth must be identified;
 - the acreage and average depth of the proposed treatment area must be stated; and
 - the specifications identified in the Work Order Request for that specific facility must be adhered to for the new variety(ies) and submitted in the same format.
- 4.3 No additional work shall commence without a written authorization from the Director.

5.0 SAFETY

- 5.1 The Contractor agrees to perform all work outlined in this Contract in such a manner as to meet all accepted standards for safe practices during the service operation and to safely maintain stored equipment, machines, and materials or other hazards consequential or related to the work; and agrees additionally to accept the sole responsibility for complying with all local, County, State, Federal or other legal requirements including but not limited to, full compliance with the terms of the applicable O.S.H.A. and CAL-O.S.H.A. Safety Orders at all times so as to protect all persons, including the Contractor's employees, agents of the County, vendors, members of the public or others from foreseeable injury, or damage to their property. The Contractor shall inspect all potential hazards at said facilities and keep a log indicating date inspected and action taken.
- 5.2 It shall be the Contractor's responsibility to inspect, and identify, any condition(s) that renders any portion of the premises unsafe, as well as any unsafe practices occurring thereon. The Director shall be notified immediately of any unsafe condition that requires major correction. The Contractor shall be responsible for making minor corrections including, but not limited to: using barricades or traffic cones to alert patrons of the

existence of hazards. During normal hours the Contractor shall obtain emergency medical care for any member of the public who is in need thereof, because of illness or injury occurring on the premises. The Contractor shall cooperate fully with the County in the investigation of any accidental injury or death occurring on the premises, including a complete written report thereof to the Director within five (5) days following the occurrence.

6.0 HOURS AND DAYS OF SERVICES

- 6.1 The hours and dates of services shall be established when services are procured at each facility.
- 6.2 The Contractor shall provide adequate staffing to perform the required aquatic weed and algae growth control services during the prescribed service. Any changes in the days and hours of operation prescribed above shall be subject to approval by the Director.
- 6.3 Per the State of California Labor Code, the Contractor is directed to the following prescribed requirement with respect to the hours of employment. Eight (8) hours of labor under this Contract shall constitute a legal day's work and said Contractor shall not require or permit any laborer, worker or mechanic, or any subcontractor employed by him to perform any of the work described herein to labor more than eight (8) hours during any one day or more than forty (40) hours during any one calendar week, except as authorized by Labor Code Section 1815, under penalty of paying to the County the sum of Twenty-Five Dollars (\$25) for each laborer, worker or mechanic employed in the execution of said Contract by the Contractor, or any subcontractor under the Contractor, upon any of the work included in said Contract for each calendar day during which such laborer, worker, technician, specialist or mechanic is required or permitted to labor more than eight (8) hours in any one calendar day or forty (40) hours in any one calendar week, in violation of the provisions of Section 1811 to 1815, inclusive, of the Labor Code of the State of California.

7.0 SERVICE SCHEDULES

- 7.1 The Contractor shall submit revised schedules when actual performance differs substantially from planned performance. Said revisions shall be submitted to the Director for his review, and, if appropriate, his approval, within five (5) working days prior to the scheduled time for the work.
- 7.2 The above provision is not construed to eliminate the Contractor's responsibility in complying with the requirements to notify all Federal, State, County and local officials, as applicable, prior to commencing the use of chemicals.

8.0 SIGNS/IMPROVEMENTS

The Contractor shall not post signs or advertising matter upon the premises or improvements thereon, unless prior approval therefor is obtained from the Director.

9.0 NON-INTERFERENCE

The Contractor shall not interfere with the public use of the premises and shall conduct its operations as to offer the least possible obstruction and inconvenience to the public or disruption to the peace and quiet of the area within which the services are performed.

10.0 USE OF CHEMICALS

- 10.1 All work involving the use of chemicals shall be in compliance with all Federal, State, County and local laws and will be accomplished by a Qualified Applicator under the direction of a Licensed Pest Control Advisor. The Contractor, in complying with the California Food and Agricultural Code, shall provide a copy of a valid Pest Control Business License, a valid Pest Control Advisor's License and a Qualified Applicator's License prior to using any and all applicable chemicals within the area(s) to be serviced.
- 10.2 The Contractor, in addition to complying with the California Food and Agricultural Code, must be registered with the Los Angeles County Agricultural Commission. The Contractor shall also be certified in categories E of the Pest Control Advisor's License and in category F of the Qualified Applicator's License.
- 10.3 A listing of proposed chemicals to be used including: commercial name, application rates and type of usage shall be submitted to the Director for approval at the commencement of the contract. No work shall begin until written approval of use is obtained from the Director.
- 10.4 Chemicals shall only be applied by those persons possessing a valid California Certified Applicator's license. Application shall be in strict accordance with all governing regulations.
- 10.5 All chemicals requiring a special permit for use must be registered with the County Agricultural Commissioner's Office and a permit obtained with a copy to the Los Angeles County Department of Parks and Recreation.
- 10.6 All regulations and safety precautions listed in the "Pesticide Information and Safety Manual" published by the University of California at Berkley shall be adhered to.
- 10.7 Chemicals shall be applied when air currents are still; preventing drifting onto adjacent property and preventing any toxic exposure to persons whether or not they are in or near the area of application.
- 10.8 Notice must be given to appropriate Federal, State, County and local governing agencies prior to applying chemicals.

11.0 USE OF ALTERNATE METHODS

In lieu of chemicals, the Contractor may be asked to use the following alternative methods to control the growth of the aquatic weed and algae:

- a. Hand
- b. Mechanical
- c. Microbes/Biologicals
- d. Dyes

12.0 NOISE

Contractor shall not prepare for or initiate any motorized operations or use any motorized equipment before 7:00 a.m.

II. AQUATIC WEED AND ALGAE GROWTH/TASKS

The aquatic weed and algae growth within the lakes create negative impacts on the beneficial uses of the lake. The aquatic weed and algae growth and tasks include, but are not limited, to the following, and are subject to change as Work Orders are requested.

13.0 ALONDRA PARK

The lake covers approximately 5.4 surface acres with an average depth of 7 feet.

13.1 Primary Aquatic Growth

Primary aquatic growth in the lake system is Segra Pond Weed, Filamentous Algae, Cyano Bacteria (blue), Chara.

13.2 Tasks

Task One: Perform Pre-Treatment Water Quality Testing and Monitoring for the lake. All applications of products should be based on the testing.

Task Two: Treat the submerged aquatic vegetation outlined above, and perform Post Treatment monitoring per requirements. Document and record the Treatment areas of the lake using DGPS equipment, and produce a map of the treatment areas for regulatory reporting purposes. Collect Post Treatment Water Quality Data per Requirements.

Task Three: Perform seven (7) day Post Treatment monitoring per Requirements. Collect water samples and perform laboratory analysis for herbicide residues using an EPA certified lab.

Task Four: Prepare Treatment Reports per the LA County Agriculture Commissioner Requirements for submission.

14.0 APOLLO PARK

A three-lake system with approximate surface acreage of three (3) with average depth of 14 feet.

14.1 Primary Aquatic Growth

Primary aquatic growth includes Sago Pondweed, Filamentous Algae and Iris App.

14.2 Tasks

Task One: Carry out activities according to the Aquatic Pesticide Application Plan (APAP) per the NPDES Permit Requirements for the treatments.

Task Two: Perform NPDES Permit required Pre-Treatment Water Quality Testing and Monitoring.

Task Three: Treat the submerged aquatic vegetation in the areas outlined above as specified, and perform Post Treatment monitoring per the NPDES Permit requirements. Document and record the Treatment areas of the lake using DGPS equipment, and produce a map of the treatment areas for regulatory reporting purposes. Collected Post Treatment Water Quality Data per NPDES Permit Requirements.

Task Four: Perform seven (7) day Post Treatment monitoring per the NPDES Requirements. Collect water samples and perform laboratory analysis for herbicide residues.

Task Five: Prepare Treatment Reports per the NPDES Permit Requirements for submission of Annual Report to the Regional Water Quality Control Board prior to March 1, 2019.

15.0 ARBORETUM OF LOS ANGELES COUNTY

The facility has two (2) bodies of water: Baldwin Lake and Tule Pond. Baldwin Lake covers approximately four (4) acres with an average depth of three (3) feet. Tule Pond covers approximately 0.5 acres with an average depth of three (3) feet.

15.1 Primary Aquatic Growth

Primary aquatic growth for both Baldwin Lake and Tule Pond is Tule weeds, Filamentous Algae

15.2 Tasks

Tasks are currently unavailable

16.0 FRANK G. BONELLI REGIONAL COUNTY PARK – Puddingstone Reservoir

The area of treatment represents approximately 30.92 acres; the average depth in the treatment areas is estimated at four (4) feet.

The areas of treatment include: Olene's Cove/East Shore Area (approx. 0.69 acres); North Shore/Inflow Area (approx. 6.84 acres); Sailboat Cove/Boathouse Area (approx. 12.39 acres); and Swim Beach/Tower 3 Area (approx. 1 acre).

16.1 Primary Aquatic Growth

Primary aquatic growth includes Common Naiad.

16.2 Tasks

- Task One: Carry out activities according to the Aquatic Pesticide Application Plan (APAP) per the NPDES Permit Requirements for the treatments.
- Task Two: Perform NPDES Permit required Pre-Treatment Water Quality Monitoring
- Task Three: Treat the submerged aquatic vegetation in the areas outlined above as specified, and perform Post Treatment monitoring per the NPDES Permit requirements. Document and record the Treatment areas of the lake using DGPS equipment, and produce a map of the treatment areas for regulatory reporting purposes. Collect Post Treatment Water Quality Data per NPDES Permit Requirements.
- Task Four: Perform seven (7) day Post Treatment monitoring per the NPDES Requirements. Collect water samples and perform laboratory analysis for herbicide residues.
- Task Five: Prepare Treatment Reports per the NPDES Permit Requirements for submission of Annual Report to the Regional Water Quality Control Board prior to March 1, 2019.

17.0 CASTAIC LAKE STATE RECREATION AREA – Lagoon

Multiple treatment areas represent approximately 58.2 acres and include the shorelines, swim beach area, around the boat docks, fishing piers, and in the northern area of the lake system.

17.1 Primary Aquatic Growth

Primary aquatic growth includes *Myriophyllum spicatum* L. (Eurasian Watermilfoil), *Potamogeton* (Small pondweed), and Filamentous algae.

17.2 Tasks

- Task One: Perform NPDES Permit required Pre-Treatment Water Quality Monitoring per the Aquatic Pesticide Application Plan for Castaic Lagoon.
- Task Two: Treat the submerged aquatic vegetation in the areas outlined above (a and b) as specified, and perform Post Treatment monitoring per the NPDES Permit requirements. Document and record the Treatment areas of the lake using DGPS equipment, and produce a map of the treatment areas for regulatory reporting purposes. Collect Post Treatment Water Quality Data per NPDES Permit Requirements.
- Task Three: Perform seven (7) day Post Treatment monitoring per the NPDES Requirements. Collect water samples and perform laboratory analysis for herbicide residues.

Task Four: Prepare Treatment Reports per the NPDES Permit Requirements for submission of annual report to the Regional Water Quality Control Board prior to March 1, 2019.

18.0 DON KNABE COMMUNITY REGIONAL PARK

The lake covers approximately ten (10) surface acres with an average depth of ten (10) feet.

18.1 Primary Aquatic Growth

Primary aquatic growth is Water Milfoil and Filamentous Algae.

18.2 Tasks

Task One: Perform Pre-Treatment Water Quality Testing and Monitoring for the lake. All applications of products should be based on the testing.

Task Two: Treat the submerged aquatic vegetation outlined above, and perform Post Treatment monitoring per requirements. Document and record the Treatment areas of the lake using DGPS equipment, and produce a map of the treatment areas for regulatory reporting purposes. Collect Post Treatment Water Quality Data per Requirements.

Task Three: Perform seven (7) day Post Treatment monitoring per Requirements. Collect water samples and perform laboratory analysis for herbicide residues using an EPA certified lab.

Task Four: Prepare Treatment Reports per the LA County Agriculture Commissioner Requirements for submission.

19.0 KENNETH HAHN RECREATION AREA

Facility has three small lakes that are connected by a small stream. They cover approximately three (3) acres with average depth of 14 feet.

19.1 Primary Aquatic Growth

Primary aquatic growth includes Sago Pondweed, Filamentous Algae and Iris App.

19.2 Tasks

Task One: Carry out activities according to the Aquatic Pesticide Application Plan (APAP) per the LA County Agriculture Commissioner Requirements for the treatments.

Task Two: Perform Pre-Treatment Water Quality Testing and Monitoring according LA County Agriculture Commissioner requirements.

Task Three: Treat the submerged aquatic vegetation in the areas outlined above as specified and perform Post Treatment monitoring per requirements. Document and record the Treatment areas of the lake using DGPS equipment, and produce a map of the

treatment areas for regulatory reporting purposes. Collect Post Treatment Water Quality Data per Requirements.

Task Four: Perform seven (7) day Post Treatment monitoring per the LA County Agriculture Commissioner Requirements. Collect water samples and perform laboratory analysis for herbicide residues using EPA certified lab.

Task Five: Prepare and submit Treatment Reports per the LA County Agriculture Commissioner Requirements.

20.0 LA MIRADA COMMUNITY REGIONAL PARK

The lake covers approximately 4.6 surface acres with an average depth of 10 feet.

20.1 Primary Aquatic Growth

Primary aquatic growth in the lake system is Water Milfoil and Filamentous Algae.

20.2 Tasks

Task One: Perform Pre-Treatment Water Quality Testing and Monitoring for the lake. All applications of products should be based on the testing.

Task Two: Treat the submerged aquatic vegetation outlined above, and perform Post Treatment monitoring per requirements. Document and record the Treatment areas of the lake using DGPS equipment, and produce a map of the treatment areas for regulatory reporting purposes. Collect Post Treatment Water Quality Data per Requirements.

Task Three: Perform seven (7) day Post Treatment monitoring per Requirements. Collect water samples and perform laboratory analysis for herbicide residues using an EPA certified lab.

Task Four: Perform Middle and Post-Treatment Water Quality Testing and Monitoring for the lake.

Task Five: Prepare Treatment Reports per the LA County Agriculture Commissioner Requirements for submission.

21.0 EARVIN “MAGIC” JOHNSON RECREATION AREA

Facility has a two-lake system. Both lakes are passive with Lake #1 covering approximately 4.6 surface acres and Lake #2 covering approximately 6.5 surface acres. Both lakes have an average depth of 10 feet.

21.1 Primary Aquatic Growth

Primary aquatic growth in both lakes is Cyano Bacteria (blue), and submerged Aquatic Plants.

21.2 Tasks

- Task One: Perform Pre-Treatment Water Quality Testing and Monitoring for the lake. All applications of products should be based on the testing.
- Task Two: Treat the submerged aquatic vegetation outlined above, and perform Post Treatment monitoring per requirements. Document and record the Treatment areas of the lake using DGPS equipment, and produce a map of the treatment areas for regulatory reporting purposes. Collect Post Treatment Water Quality Data per Requirements.
- Task Three: Perform seven (7) day Post Treatment monitoring per Requirements. Collect water samples and perform laboratory analysis for herbicide residues using an EPA certified lab.
- Task Four: Perform Middle and Post-Treatment Water Quality Testing and Monitoring for the lake.
- Task Five: Prepare and submit Treatment Reports per the LA County Agriculture Commissioner Requirements.

22.0 SANTA FE DAM RECREATION AREA

The lake covers 70 acres with an average depth of six (6) feet.

22.1 Primary Aquatic Growth

Primary aquatic growth is Southern Naiad, Sago Pondweed, Small Pondweed, Coontail

22.2 Tasks

- Task One: Carry out activities according to Aquatic Pesticide Application Plan (APAP) per the NPDES Permit Requirements for the treatments.
- Task Two: Perform baseline data testing prior to beginning any treatment plan. Baseline testing shall include document(s) of findings and map(s) of findings. Baseline data testing shall be a minimum of three testing sites within the lake including a water quality assessment with the following data analysis for: pH, Temperature, Dissolved oxygen, ammonia nitrogen (NH₃), nitrate (NO₃), Alkalinity, Carbon dioxide, phosphate, and Total Suspended Solids (TSS).
- Task Three: Perform NPDES Permit required Pre-Treatment Water Quality Monitoring.
- Task Four: Treat the entire lake system as needed for aquatic weed/nuisance growth. Perform Post Treatment monitoring per the NPDES Permit requirements. Document and record the Product Treatment areas of the lake using DGPS equipment, and produce a map of the treatment areas for

regulatory reporting purposes. Collect Post Treatment Water Quality Data per NPDES Permit Requirements.

Task Five: Perform seven (7) day Post Treatment monitoring per the NPDES Requirements. Collect a FasTest for Product concentration in the water column.

Task Six: Collect fourteen (14) day FasTest for Product concentration in the water column.

Task Seven: Treat the entire lake system as needed for aquatic weed/nuisance growth fourteen (14) days following the initial application outlined under Task One above, perform Post Treatment monitoring per the NPDES Permit requirements. Document and record the Product Treatment areas of the lake using DGPS equipment, and produce a map of the treatment areas for regulatory reporting purposes.

Task Eight: Perform seven (7) day Post Treatment Monitoring for Task Seven per the NPDES Requirements.

Task Nine: Prepare Treatment Reports per the NPDES Permit Requirements for submission of Annual Report to the Regional Water Quality Control Board prior to March 1, 2018.

Task Ten: Perform Quarterly Water Quality Parameters Testing to include following data analysis for: Amomonia as N (EPS 350.2), Dissolved Oxygen (EPA 360.1), Nitrate as N (EPA 353.2), Oil & Grease (HEM) (EPA 1664), pH (EPA 150.1), Total Kjeldahl Nitrogen (EPA 351.2), Total Organic Carbon (EPA 415.1), Total Suspended Solids (EPA 160.2), Temperature (EPA 170.1), Enterococcus (SM 92308), Total Coliforms (SM 9221E), Fecal Coliforms (SM 9221E). Parameters Testing shall include document(s) of findings and map(s) of findings.

Task Eleven: Perform continued treatment(s) of lake based on findings of the Quarterly Water Quality Parameters Testing.

23.0 South Coast Botanic Garden

The lake has an approximate surface acreage of 2.2 with an average depth of one (1) foot.

23.1 Primary Aquatic Growth

Primary aquatic growth includes Papyrus and Mixed Tule Weeds (Bulrush, Equisetum, and Typha).

23.2 Tasks

Task One: Carry out activities according to the Aquatic Pesticide Application Plan (APAP) per the LA County Agriculture Commissioner Requirements for the treatments.

- Task Two: Perform Pre-Treatment Water Quality Testing and Monitoring according LA County Agriculture Commissioner requirements.
- Task Three: Treat the submerged aquatic vegetation in the areas outlined above as specified and perform Post Treatment monitoring per requirements. Document and record the Treatment areas of the lake using DGPS equipment, and produce a map of the treatment areas for regulatory reporting purposes. Collect Post Treatment Water Quality Data per Requirements.
- Task Four: Perform seven (7) day Post Treatment monitoring per the LA County Agriculture Commissioner Requirements. Collect water samples and perform laboratory analysis for herbicide residues using EPA certified lab.
- Task Five: Prepare and submit Treatment Reports per the LA County Agriculture Commissioner Requirements.

24.0 WHITTIER NARROWS NATURE CENTER

The facility has four lakes that are currently dry.

25.0 WHITTIER NARROWS RECREATION AREA

The Lake consists of three (3) adjoining lakes with an approximate total acreage of 80 acres and an average depth of nine (9) feet

25.1 Primary Aquatic Growth

The primary aquatic growth is Southern Naiad, Sago Pondweed, Small Pondweed, Cattail, Bulrush

25.2 Tasks

- Task One: Carry out activities according to Aquatic Pesticide Application Plan (APAP) per the NPDES Permit Requirements for the treatments.
- Task Two: Perform baseline data testing prior to beginning any treatment plan. Baseline testing shall include document(s) of findings and map(s) of findings. Baseline data testing shall be a minimum of three testing sites within the lake including a water quality assessment with the following data analysis for: pH, Temperature, Dissolved oxygen, ammonia nitrogen (NH₃), nitrate (NO₃), Alkalinity, Carbon dioxide, phosphate, and Total Suspended Solids (TSS).
- Task Three: Perform NPDES Permit required Pre-Treatment Water Quality Monitoring.
- Task Four: Treat the entire lake system as needed for aquatic weed/nuisance growth. Perform Post Treatment monitoring per the NPDES Permit requirements. Document and record

the Product Treatment areas of the lake using DGPS equipment, and produce a map of the treatment areas for regulatory reporting purposes. Collect Post Treatment Water Quality Data per NPDES Permit Requirements.

- Task Five: Perform seven (7) day Post Treatment monitoring per the NPDES Requirements. Collect a FasTest for Product concentration in the water column.
- Task Six: Collect fourteen (14) day FasTest for Product concentration in the water column.
- Task Seven: Treat the entire lake system as needed for aquatic weed/nuisance growth fourteen (14) days following the initial application outlined under Task One above, perform Post Treatment monitoring per the NPDES Permit requirements. Document and record the Product Treatment areas of the lake using DGPS equipment, and produce a map of the treatment areas for regulatory reporting purposes.
- Task Eight: Perform seven (7) day Post Treatment Monitoring for Task Seven per the NPDES Requirements.
- Task Nine: Prepare Treatment Reports per the NPDES Permit Requirements for submission of Annual Report to the Regional Water Quality Control Board prior to March 1, 2018.
- Task Ten: Perform Quarterly Water Quality Parameters Testing to include following data analysis for: Amomonia as N (EPS 350.2), Dissolved Oxygen (EPA 360.1), Nitrate as N (EPA 353.2), Oil & Grease (HEM) (EPA 1664), pH (EPA 150.1), Total Kjeldahl Nitrogen (EPA 351.2), Total Organic Carbon (EPA 415.1), Total Suspended Solids (EPA 160.2), Temperature (EPA 170.1), Enterococcus (SM 92308), Total Coliforms (SM 9221E), Fecal Coliforms (SM 9221E). Parameters Testing shall include document(s) of findings and map(s) of findings.
- Task Eleven: Perform continued treatment(s) of lake based on findings of the Quarterly Water Quality Parameters Testing.

ALONDRA PARK

8700 West Manhattan Beach Boulevard, Lawndale 90260



Surface Acreage: 5.4 (approx.)

Average Depth: 7 ft.

Acre Feet: 37.8

Volume: 12,317,257.76 gal.

Activities: Passive, fishing, bird watching

Fish & Other Aquatic Animals: Migratory birds, geese, ducks, trout, catfish, mosquito fish

Primary Aquatic Growth: Segra Pond Weed, Filamentous Algae, Cyano Bacteria (blue), Chara

Compliance Jurisdiction: Los Angeles County Agriculture Commissioner

APOLLO PARK
4555 West Avenue G, Lancaster 93534



Surface Acreage: 26 (approx.)

Average Depth: 19 ft.

Acre Feet: 494

Volume: 160,970,394 gal.

Activities: Passive, fishing, bird watching

Fish & Other Aquatic Animals: Predatory and migratory birds, trout, catfish

Primary Aquatic Growth: Water Milfoil, Filamentous Algae

Compliance Jurisdiction: Los Angeles County Agriculture Commissioner

ARBORETUM OF LOS ANGELES COUNTY

301 North Baldwin Avenue, Arcadia 91007



Baldwin Lake

Surface Acreage: 4 (approx.)

Average Depth: 3 ft.

Acre Feet: 12

Volume: 3,910,240.58 gal.

Activities: Passive, non-fishing

Fish and Other Aquatic Animals: Geese, ducks, various turtles, catfish, mosquito fish, frogs, carp, predatory birds

Primary Aquatic Growth: Tule weeds, Filamentous Algae

Compliance Jurisdiction: Los Angeles County Agriculture Commissioner



Tule Pond

Surface Acreage: 0.5 (approx.)

Average Depth: 3 ft.

Acre Feet: 1.5

Volume: 488,780.07 gal.

Activities: Passive, non-fishing

Fish & Other Aquatic Animals: Geese, ducks, various turtles, catfish, mosquito fish, frogs, carp, predatory birds

Primary Aquatic Growth: Tule weeds, Filamentous Algae

Compliance Jurisdiction: Los Angeles County Agriculture Commissioner

FRANK G. BONELLI REGIONAL COUNTY PARK
PUDDINGSTONE RESERVOIR
120 Via Verde Drive, San Dimas 91733



Surface Acreage: 250 (approx.)

Average Depth: 35 ft.

Acre Feet: 8,750

Volume: 2,851,217,092.50 gal.

Activities: Swimming, water skiing, sailing, watercraft, wind surfing, slow boating, fishing

Fish & Other Aquatic Animals: Large and small mouth bass, trout, catfish, blue gill, crappie, carp, red ear sunfish

Primary Aquatic Growth: Common Naiad

Compliance Jurisdiction: State of California, United States



CASTAIC LAKE STATE RECREATION AREA LAGOON

32132 Castaic Lake Road, Castaic 91384



Surface Acreage: 197 (approx.)

Average Depth: 29 ft.

Acre Feet: 5,701.2

Volume: 1,857,748,784.39 gal.

Activities: Swimming, non-motorized boats, fishing

Fish & Other Aquatic Animals: Large mouth bass, trout, catfish, blue gill crappie

Primary Aquatic Growth: Milfoil, Sago Pondweed, Coontail, Filamentous Algae

Compliance Jurisdiction: State of California, United States

Don Knabe (fka Cerritos) Community Regional Park
19700 South Bloomfield Avenue, Cerritos 90701



Surface Acreage: 10 (approx.)

Average Depth: 10 ft.

Acre Feet: 100

Volume: 32,585,338.20 gal.

Activities: Passive, fishing

Fish and Other Aquatic Animals: Geese, ducks, trout, catfish, mosquito fish

Primary Aquatic Growth: Milfoil, Filamentous Algae

Compliance Jurisdiction: Los Angeles County Agriculture Commissioner

KENNETH HAHN RECREATION AREA
4100 North La Cienega Boulevard, Los Angeles 90056



Surface Acreage: 3 (approx.)

Average Depth: 14 ft.

Acre Feet: 42

Volume: 13,685,842.04 gal.

Activities: Passive, fishing

Fish and Other Aquatic Animals: trout, catfish, tadpoles, ducks

Primary Aquatic Growth: Sago Pondweed, Filamentous Algae, Iris App

Compliance Jurisdiction: Los Angeles County Agriculture Commissioner

LA MIRADA COMMUNITY REGIONAL PARK
13701 South Adelfa Avenue, La Mirada 90638



Surface Acreage: 4.6 (approx.)

Average Depth: 10 ft.

Acre Feet: 46

Volume: 14,989,255.57 gal.

Activities: Passive, fishing

Fish & Other Aquatic Animals: Geese, ducks, trout, catfish, mosquito fish

Primary Aquatic Growth: Water Milfoil, Filamentous Algae

Compliance Jurisdiction: Los Angeles County Agriculture Commissioner

EARVIN "MAGIC" JOHNSON RECREATION AREA

905 East El Segundo Blvd., Los Angeles 90059



Lake #1

Surface Acreage: 4.6 (approx.)

Average Depth: 10 ft.

Acre Feet: 46

Volume: 14,989,255.57 gal.

Activities: Passive, fishing

Fish and Other Aquatic Animals: Geese, ducks, trout, catfish, mosquito fish, snails

Primary Aquatic Growth: Cyano bacteria (blue), Submerged Aquatic Plants

Compliance Jurisdiction: Los Angeles County Agriculture Commissioner



Lake #2

Surface Acreage: 6.5 (approx.)

Average Depth: 10 ft.

Acre Feet: 65

Volume: 21,180,469.83 gal.

Activities: Passive, fishing

Fish and Other Aquatic Animals: Geese, ducks, trout, catfish, mosquito fish, snails

Primary Aquatic Growth: Cyano bacteria (blue), Submerged Aquatic Plants

Compliance Jurisdiction: Los Angeles County Agriculture Commissioner

SANTA FE DAM RECREATION AREA

15501 East Arrow Highway, Irwindale 91706



Surface Acreage: 70 (approx.)

Average Depth: 6 ft.

Acre Feet: 420

Volume: 136,858,419.60 gal.

Activities: Swimming, fishing, pedal boats, row boats, water cycles

Fish & Other Aquatic Animals: Large mouth bass, trout, catfish, blue gill crappie, carp, leeches, crawdads, ducks, geese, turtles

Primary Aquatic Growth: Southern Naiad, Sago Pondweed, Small Pondweed, Coontail

Compliance Jurisdiction: State of California, United States, U.S. Army Corps of Engineers

SOUTH COAST BOTANIC GARDEN
26300 Crenshaw Boulevard, Palos Verdes Peninsula 90274



Surface Acreage: 2.2 (approx.)

Average Depth: 1 ft.

Acre Feet: 2.2

Volume: 716,877.44 gal.

Activities: Passive, non-fishing

Fish & Other Aquatic Animals: coi, turtles, frogs, carp, catfish, egrets, hawks, cranes, herons, and ducks

Primary Aquatic Growth: Tule Weeds, Papyrus Grass

Compliance Jurisdiction: Los Angeles County Agriculture Commissioner

WHITTIER NARROWS NATURE CENTER
1000 North Durfee Avenue, South El Monte, 91733



Surface Acreage: 26 (approx.-total 4 lakes)

Average Depth: 8 ft.

Acre Feet: 208

Volume: 67,777,008 gal.

Activities: Passive, non-fishing, bird watching, photography

Fish & Other Aquatic Animals: Migratory and predatory birds, frogs, several fish varieties (when full)

Primary Aquatic Growth: LAKES ARE CURRENTLY DRY

Compliance Jurisdiction: State of California, United States

Whittier Narrows Recreation Area

751 S. Santa Anita Ave. S. El Monte 91733



Number of Lakes: 3

Surface Acreage: 80 (approx.)

Average Depth: 9 ft.

Acre Feet: 720

Volume: 234,614,435.04 gallons

Activities: Shoreline Fishing, pedal boats, Model Boats,

Fish & Other Aquatic Animals: Large mouth bass, trout, catfish, blue gill crappie, carp, leeches, crawdads, ducks, geese, turtles

Primary Aquatic Growth: Southern Naiad, Sago Pondweed, Small Pondweed, Cattail, Bulrush

Compliance Jurisdiction: State of California, United States, U.S. Army Corps of Engineers