

APPENDIX 8.14B

Permit Applications

NOTICE OF INTENT
 TO COMPLY WITH THE TERMS OF THE
 GENERAL PERMIT TO DISCHARGE STORM WATER
 ASSOCIATED WITH CONSTRUCTION ACTIVITY (WQ ORDER No. 99-08-DWQ)



I. NOI STATUS (SEE INSTRUCTIONS)

| | | | |
|--------------------|---|---|--|
| MARK ONLY ONE ITEM | 1. <input checked="" type="checkbox"/> New Construction | 2. <input type="checkbox"/> Change of Information for WDID# | |
|--------------------|---|---|--|

II. PROPERTY OWNER

| | | | |
|--|---|---------------------|-------------------------------------|
| Name City of Vernon | Contact Person Donal O'Callaghan | | |
| Mailing Address 4305 Santa Fe Avenue | Title Director of Light and Power | | |
| City Vernon | State CA | Zip 90058 | Phone (323) 583-8811 x834 |

III. DEVELOPER/CONTRACTOR INFORMATION

| | | | |
|------------------------------------|----------------|-----|-------|
| Developer/Contractor TBD | Contact Person | | |
| Mailing Address | Title | | |
| City | State | Zip | Phone |

IV. CONSTRUCTION PROJECT INFORMATION

| | | | | |
|---|--|---|---------------------------------|--------------------------------------|
| Site/Project Name Vernon Power Plant | | Site Contact Person TBD | | |
| Physical Address/Location 5001 Soto Street | | Latitude 33.99 | Longitude 118.20 | County Los Angeles |
| City (or nearest City) Vernon | | Zip 90058 | Site Phone Number TBD | Emergency Phone Number TBD |
| A. Total size of construction site area: <u>14.7</u> Acres | | C. Percent of site imperviousness (including rooftops): | | D. Tract Number(s): <u>N/A</u> |
| B. Total area to be disturbed: <u>14.7</u> Acres (% of total 100) | | Before Construction: <u>100</u> % | | E. Mile Post Marker: <u>N/A</u> |
| After Construction: <u>100</u> % | | | | |
| F. Is the construction site part of a larger common plan of development or sale? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | G. Name of plan or development: <u>N/A</u> | | |
| H. Construction commencement date: <u>09/01/2006</u> | | J. Projected construction dates: Complete grading: <u>2007</u> Complete project: <u>04/01/2008</u> | | |
| I. % of site to be mass graded: <u>100</u> | | | | |
| K. Type of Construction (Check all that apply): | | | | |
| 1. Residential 2. Commercial 3. <input type="checkbox"/> Industrial 4. <input type="checkbox"/> Reconstruction 5. <input type="checkbox"/> Transportation | | | | |
| 6. <input checked="" type="checkbox"/> Utility Description: <u>Power Plant</u> 7. Other (Please List): _____ | | | | |

V. BILLING INFORMATION

| | | | |
|--|--|---|---------------------|
| SEND BILL TO: | Name City of Vernon | Contact Person Donal O'Callaghan | |
| <input checked="" type="checkbox"/> OWNER (as in II. above) | Mailing Address 4305 Santa Fe Avenue | Phone/Fax (323) 583-8811 x834/ (323) 826-1435 | |
| <input type="checkbox"/> DEVELOPER (as in III. above) | City Vernon | State CA | Zip 90058 |
| <input type="checkbox"/> OTHER (enter information at right) | | | |

VI. REGULATORY STATUS

A. Has a local agency approved a required erosion/sediment control plan?..... YES NO
 Does the erosion/sediment control plan address construction activities such as infrastructure and structures?..... YES NO
 Name of local agency: California Energy Commission Phone: TBD
 (The SWPPP will serve as the erosion/sediment control plan.)
 B. Is this project or any part thereof, subject to conditions imposed under a CWA Section 404 permit of 401 Water Quality Certification?..... YES NO
 If yes, provide details:

VII. RECEIVING WATER INFORMATION

A. Does the storm water runoff from the construction site discharge to (Check all that apply):
 1. Indirectly to waters of the U.S.
 2. Storm drain system - Enter owner's name: City of Vernon/Los Angeles County Flood Control District
 3. Directly to waters of U.S. (e.g. , river, lake, creek, stream, bay, ocean, etc.)
 B. Name of receiving water: (river, lake, creek, stream, bay, ocean): N/A

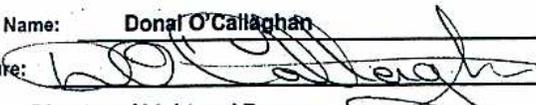
VIII. IMPLEMENTATION OF NPDES PERMIT REQUIREMENTS

A. STORM WATER POLLUTION PREVENTION PLAN (SWPPP) (check one)
 A SWPPP has been prepared for this facility and is available for review: Date Prepared: ___/___/___ Date Amended: ___/___/___
 A SWPPP will be prepared and ready for review by (enter date) 08/31/06
 A tentative schedule has been included in the SWPPP for activities such as grading, street construction, home construction, etc.
 B. MONITORING PROGRAM
 A monitoring and maintenance schedule has been developed that includes inspection of the construction BMPs before anticipated storm events and after actual storm events and is available for review.
 If checked above: A qualified person has been assigned responsibility for pre-storm and post-storm BMP inspections to identify effectiveness and necessary repairs or design changes..... YES NO
 Name: TBD Phone: _____
 C. PERMIT COMPLIANCE RESPONSIBILITY
 A qualified person has been assigned responsibility to ensure full compliance with the Permit, and to implement all elements of the Storm Water Pollution Prevention Plan including:
 1. Preparing an annual compliance evaluation..... YES NO
 Name: TBD Phone: _____
 2. Eliminating all unauthorized discharges..... YES NO

IX. VICINITY MAP AND FEE (must show site location in relation to nearest named streets, intersections, etc.)

Have you included a vicinity map with this submittal? YES NO
 Have you included payment of the annual fee with this submittal?..... YES NO

X. CERTIFICATIONS

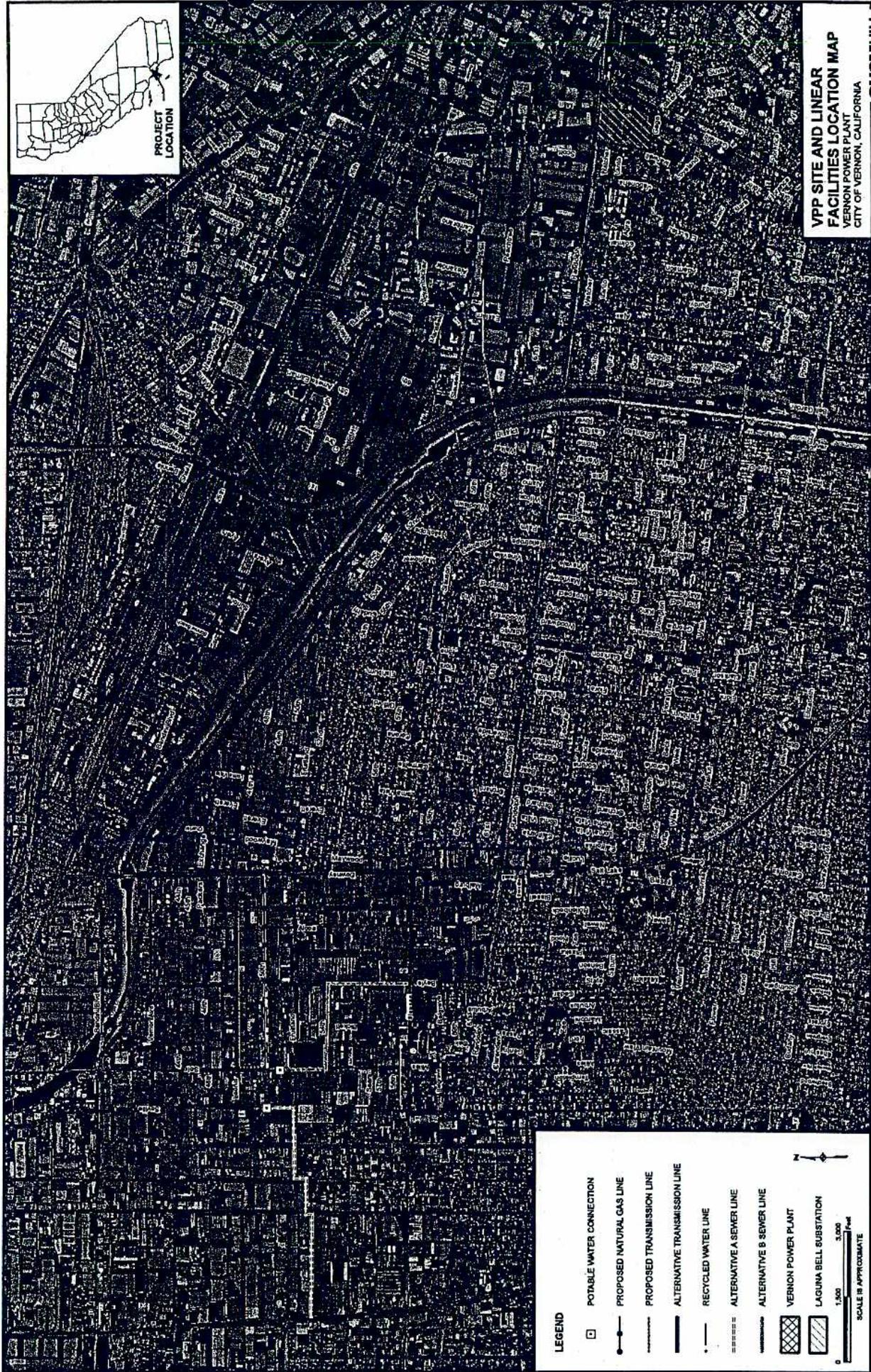
"I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment. In addition, I certify that the provisions of the permit, including the development and implementation of a Storm Water Pollution Prevention Plan and a Monitoring Program Plan will be complied with."
 Printed Name: Donal O'Callaghan
 Signature:  Date: 02/15/06
 Title: Director of Light and Power



PROJECT
LOCATION

**VPP SITE AND LINEAR
FACILITIES LOCATION MAP**
VERNON POWER PLANT
CITY OF VERNON, CALIFORNIA

CH2M HILL



LEGEND

-  POTABLE WATER CONNECTION
-  PROPOSED NATURAL GAS LINE
-  PROPOSED TRANSMISSION LINE
-  ALTERNATIVE TRANSMISSION LINE
-  RECYCLED WATER LINE
-  ALTERNATIVE A SEWER LINE
-  ALTERNATIVE B SEWER LINE
-  VERNON POWER PLANT
-  LAGUNA BELL SUBSTATION



SCALE IS APPROXIMATE

CITY OF VERNON

LIGHT & POWER

4305 SANTA FE AVENUE
VERNON, CALIFORNIA 90058-0805
(323) 583-8811

FOLIO NUMBER
502507

Bank of America
16/66

CHECK NUMBER
502507

THE SUM OF **593.00** DOLLARS

PAY TO THE ORDER OF
STATE WATER RESOURCES CONTROL BOARD
DIVISION OF WATER QUALITY
PO BOX 1977
SACRAMENTO, CA 95812-1977

| |
|------------|
| CHECK DATE |
| 02 16 06 |

| |
|--------------|
| CHECK AMOUNT |
| \$593.00 |

VOID AFTER 90 DAYS

Nikini Gonzalez
Thomas A. Ybarra

⑆502507⑆ ⑆122000661⑆ 14594⑆05958⑆

CITY OF VERNON LIGHT & POWER • 4305 SANTA FE AVE. • VERNON, CALIFORNIA 90058-0805

| VENDOR NO. | VENDOR NAME | DATE CHECK ISSUED | CHECK NO. | | |
|---------------------|-------------------------------------|-------------------|--|-------------|---------------|
| | STATE WATER RESOURCES CONTROL BOARD | 02/16/06 | 502507 | | |
| CITY ACCOUNT NUMBER | YOUR INV. NO. | YOUR INV. DATE | PAYMENT DESCRIPTION | DISC. TAKEN | NET AMT. PAID |
| 055-500-9192-5600 | | | NOTICE OF INTENT ASSOCIATED WITH CONSTRUCTION ACTIVITY | | 593.00 |
| FILE DATE: 3/1/06cm | | | | | |

NOTICE OF INTENT

TO COMPLY WITH THE TERMS OF THE
GENERAL PERMIT TO DISCHARGE STORM WATER
ASSOCIATED WITH **INDUSTRIAL ACTIVITY** (WQ ORDER No. 97-03-DWQ)
(Excluding Construction Activities)

SECTION I. NOI STATUS (please check only one box)

| | | |
|--|---|---------|
| A. <input checked="" type="checkbox"/> New Permittee | B. <input type="checkbox"/> Change of Information | WDID #: |
|--|---|---------|

SECTION II. FACILITY OPERATOR INFORMATION (See instructions)

| | | |
|---|------------------|------------------------------|
| A. NAME: City of Vernon | | Phone: (323) 583-8811 |
| Mailing Address: 4305 Santa Fe Avenue | | |
| City: Vernon | State: CA | Zip Code: 90058 |
| Contact Person: Donal O'Callaghan | | |
| B. OPERATOR TYPE: (check one) | | |
| 1. <input type="checkbox"/> Private Individual 2. <input type="checkbox"/> Business 3. <input checked="" type="checkbox"/> Municipal 4. <input type="checkbox"/> State 5. <input type="checkbox"/> Federal 6. <input type="checkbox"/> Other | | |

SECTION III. FACILITY SITE INFORMATION

| | | |
|---|---|--|
| A. FACILITY NAME: Vernon Power Plant | | Phone: TBD |
| Facility Location: 5001 Soto Street | | County: Los Angeles |
| City: Vernon | State: CA | Zip Code: 90058 |
| B. MAILING ADDRESS: 4305 Santa Fe Avenue | | |
| City: Vernon | State: CA | Zip Code: 90058 |
| Contact Person: Donal O'Callaghan | | |
| C. FACILITY INFORMATION | (check one) Total Size of Site: 5.8 Acres <input checked="" type="checkbox"/> | Sq. Ft. <input type="checkbox"/> Percent of Site Impervious (including rooftops): 100 % |
| D. SIC CODE(S) OF REGULATED ACTIVITY: | E. REGULATED ACTIVITY (describe each SIC code): | |
| 1. 4911 | Electric Power Generation | |
| 2. | | |
| 3. | | |

FOR STATE USE ONLY:

| |
|--|
| |
|--|

SECTION IV. ADDRESS FOR CORRESPONDENCE

Facility Operator Mailing Address (Section II) Facility Mailing Address (Section III, B.) Both

SECTION V. BILLING ADDRESS INFORMATION

SEND BILL TO: Facility Operator Mailing Address (Section II) Facility Mailing Address (Section III, B.)
 Other (enter information below)

Name: **City of Vernon**

Mailing Address: **4305 Santa Fe Avenue**

City: **Vernon**

State: **CA**

Zip Code: **90058**

Contact Person: **Donal O'Callaghan**

SECTION VI. RECEIVING WATER INFORMATION

Your facility's storm water discharges flow: (check one)

Directly OR Indirectly to waters of the United States.

Name of receiving water: (river, lake, stream, ocean, etc.)
Los Angeles River

SECTION VII. IMPLEMENTATION OF PERMIT REQUIREMENTS

A. STORM WATER POLLUTION PREVENTION PLAN (SWPPP) (check one)

A SWPPP has been prepared for this facility and is available for review.

A SWPPP will be prepared and ready for review by (enter date): **End of 2008**

B. MONITORING PROGRAM (check one)

A Monitoring Program has been prepared for this facility and is available for review.

A Monitoring Program will be prepared and ready for review by (enter date): **End of 2008**

C. PERMIT COMPLIANCE RESPONSIBILITY

Has a person been assigned responsibility for:

- | | |
|--|---|
| 1. Inspecting the facility throughout the year to identify any potential pollution problems? | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| 2. Collecting storm water samples and having them analyzed? | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| 3. Preparing and submitting an annual report by July 1 of each year? | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| 4. Eliminating discharges other than storm water (such as equipment or vehicle wash-water) into the storm drain? | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |

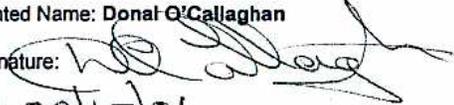
SECTION VIII. SITE MAP

I HAVE ENCLOSED A SITE MAP: YES A new NOI submitted without a site map will be rejected.

SECTION IX. CERTIFICATION

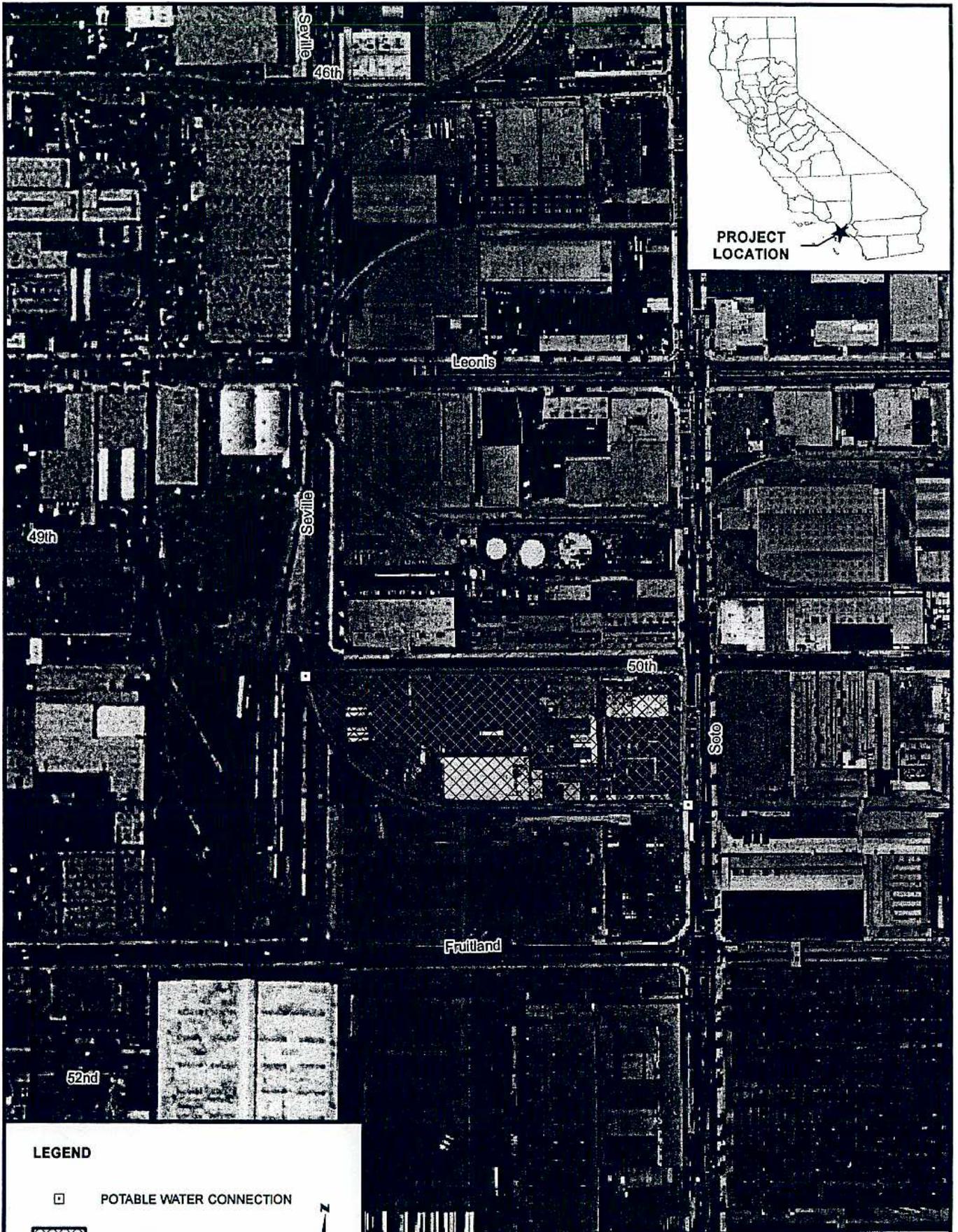
"I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. In addition, I certify that I have read the entire General Permit, including all attachments, and agree to comply with and be bound by all of the provisions, requirements, and prohibitions of the permit, including the development and implementation of a Storm Water Pollution Prevention Plan and a Monitoring Program Plan will be complied with."

Printed Name: **Donal O'Callaghan**

Signature: 

Date: **02/15/06**

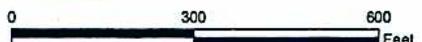
Title: **Director of Light and Power**



PROJECT LOCATION

LEGEND

-  POTABLE WATER CONNECTION
-  VERNON POWER PLANT



SCALE IS APPROXIMATE



VPP SITE LOCATION MAP
 VERNON POWER PLANT
 CITY OF VERNON, CALIFORNIA

CH2MHILL

**CITY OF VERNON
LIGHT & POWER**

4305 SANTA FE AVENUE
VERNON, CALIFORNIA 90058-0805
(323) 583-8811

FOLIO NUMBER
502508

Bank of America
16/66

CHECK NUMBER
502508

| | |
|------------|----------|
| CHECK DATE | 02 16 06 |
|------------|----------|

| | |
|--------------|----------|
| CHECK AMOUNT | \$830.00 |
|--------------|----------|

THE SUM OF \$830.00 Dols 00cts

PAY TO THE ORDER OF
STATE WATER RESOURCES CONTROL BOARD
DIVISION OF WATER QUALITY
PO BOX 1977
SACRAMENTO, CA 95812-1977

VOID AFTER 90 DAYS

Helene Goyette
Thomas A. Goyette

⑈ 50 2508 ⑈ ⑆ 2200066 ⑆ ⑆ 14594 ⑈ 05958 ⑈

CITY OF VERNON LIGHT & POWER • 4305 SANTA FE AVE. • VERNON, CALIFORNIA 90058-0805

| VENDOR NO. | VENDOR NAME | | DATE CHECK ISSUED | CHECK NO. | |
|---------------------|-------------------------------------|----------------|--|-------------|---------------------|
| | STATE WATER RESOURCES CONTROL BOARD | | 02/16/06 | 502508 | |
| CITY ACCOUNT NUMBER | YOUR INV. NO. | YOUR INV. DATE | PAYMENT DESCRIPTION | DISC. TAKEN | NET AMT. PAID |
| 055-500-9192-5600 | | | NOTICE OF INTENT ASSOCIATED WITH INDUSTRIAL ACTIVITY | | 830.00 |
| | | | | | FILE DATE: 3/1/06cm |

CITY COUNCIL

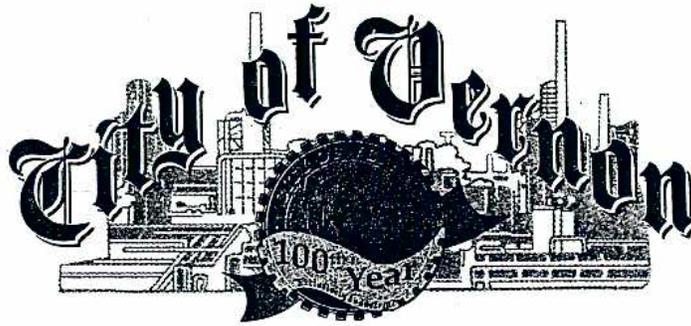
LEONIS C. MALBURG
Mayor

THOMAS A. YBARRA
Mayor Pro-Tem

WM. "BILL" DAVIS
Councilman

H. "LARRY" GONZALES
Councilman

W. MICHAEL McCORMICK
Councilman



4305 Santa Fe Avenue, Vernon, California 90058
telephone (323) 583-8811

SOL BENUDIZ
Police Chief

MARK C. WHITWORTH
Acting Fire Chief

LEWIS J. POZZEBON
Director of Environmental Health

S. KEVIN WILSON
Director of Community Services

SHARON L. DUCKWORTH
Acting City Treasurer

February 13, 2006

Los Angeles County Flood Control District
900 South Fremont Ave
Alhambra, CA 91803-1331

Attention: Mr. Tom Hoagland

Subject: Flood Application Permit for City of Vernon Power Plant

Dear Mr. Hoagland:

The City of Vernon will be submitting an Application for Certification (AFC) to the California Energy Commission (CEC) for the proposed design and installation of a combined-cycle facility referred to as the Vernon Power Plant (VPP). The City has prepared a preliminary draft flood application permit for your consideration. A complete application will be submitted to LACFCD at a later date when supporting information is available. The fully completed application packet will include the following.

- As-built plans
- Right-of-way map
- Final construction plans (to be prepared by the design engineer/contractor) with structural details and profiles of the existing and proposed facilities
- Hydrology and hydraulic calculations
- SUSMP requirements
- Certificate of liability insurance along with the additional insured endorsements

In order to facilitate our process through the CEC, please acknowledge receipt of this preliminary application.

We appreciate your assistance to date and look forward to working with LACFCD. If you have any questions or require further information with reference to this request, please contact me at (323) 583-8811, Extension 834.

Sincerely,

Donal O'Callaghan
Director of Light and Power

DO:rmt

Exclusively Industrial



**LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
FOR LOS ANGELES COUNTY FLOOD CONTROL DISTRICT**

900 SOUTH FREMONT AVENUE
ALHAMBRA, CALIFORNIA 91803-1331

FLOOD PERMIT APPLICATION

REQUEST NO. _____
DATE RECEIVED: _____

The application must show that the proposed work will not adversely affect the District's interests; i.e., (1) Hydraulic and hydrology Design; (2) Structural integrity; (3) Maintenance standards; (4) District's property rights, etc.

A. TO BE FILLED OUT BY OWNER/AGENT

OWNER/APPLICANT: City of Vernon Telephone: (323) 583-8811
ADDRESS: 4305 Santa Fe Avenue Vernon CA 90058
Street City Zip Code

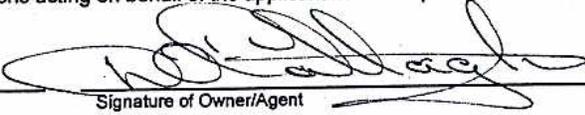
AGENT/CONTACT: Matt Franck/CH2M HILL Telephone: (916) 286-0272
ADDRESS: 2485 Natomas Park Drive, Suite 600 Sacramento CA 95833
Street City Zip Code

E-MAIL: mfranck@ch2m.com
SITE ADDRESS: 5001 Soto St Vernon CA 90058
Street City Zip Code

NEAREST INTERSECTION: Southeast corner of Soto St and 50th St THOMAS GUIDE: _____

PERSON/AGENCY RESPONSIBLE FOR THE MAINTENANCE OF THE PROPOSED FACILITY: Donal O'Callaghan PHONE: (323) 583-8811 x834

The undersigned certifies that the applicant for this permit is familiar with the requirements of the County Lobbyist Ordinance (Los Angeles County Code Chapter 2.160), and that all persons acting on behalf of the applicant have complied with and will continue to comply with this ordinance throughout the application process.

Donal O'Callaghan  02/15/06
Print Name of Owner/Agent Signature of Owner/Agent Date

B. SCOPE OF WORK (USE SEPARATE SHEET IF REQUIRED) The City of Vernon proposes to develop a power plant. It will be a net 610-megawatt combined cycle generating facility located on a 5.8 acre parcel.

1. Please submit the following with your application:
2. Four sets of final construction plans (seven if Army Corps Facility involved) with structural details and profiles of the existing and proposed facilities.
3. Two sets of letter size structural and/or hydraulic and hydrology calculations. The plans and calculations must be stamped and signed by a registered civil/structural engineer licensed to practice in the State of California.
4. Copy of the As-Built drawing of the DISTRICT's facility impacted by the proposed work.
5. Fee will be charged according to current ordinance established by the board of Supervisors.
6. For storm drain connection complete EXHIBIT "A" shown applicable.
7. Certificate of Liability Insurance (\$1,000,000 min. cov) along with the additional insured endorsement naming the County of Los Angeles, the Los Angeles County Flood Control District, and (when applicable) the U.S. Army Corps of Engr. As co-insured

FOR DISTRICT USE ONLY

PAYMENT

RECEIVED BY: _____ ASSIGNED TO: _____

Fees Paid Yes No Waved (Reciprocate Services, Qualified Inspectors Provided, Other _____)
Plan Check PCA No. _____ Plan Check Fee _____ Revenue Source Code B07-
Inspection PCA No. _____ Inspection Fee _____ Revenue Source Code B07-
Total Amount _____ Receipt No. _____
Deposit Amount _____ Receipt No. _____

SP8-7700 (Deposit _____)

TYPE

- | | | | |
|---|--|---|---------------------------------------|
| <input type="checkbox"/> Storm Drain Connection | <input type="checkbox"/> Landscaping | <input type="checkbox"/> Over Build | <input type="checkbox"/> Access |
| <input type="checkbox"/> Catch Basin Relocation | <input type="checkbox"/> Major Modifications | <input type="checkbox"/> Build | <input type="checkbox"/> LNO |
| <input type="checkbox"/> Catch Basin Modification | <input type="checkbox"/> Minor Modifications | <input type="checkbox"/> Utility Crossing | <input type="checkbox"/> Other: _____ |

INFO

Stream/Project _____ File Code: _____ PO# _____
PD/MTD (To be Transferred) _____ Tract/P.M. No. _____

**CITY OF VERNON
LIGHT & POWER**

4305 SANTA FE AVENUE
VERNON, CALIFORNIA 90058-0805
(323) 583-8811

FOLIO NUMBER
502506

Bank of America
16/66

CHECK NUMBER
502506

| | |
|------------|-------|
| CHECK DATE | |
| 02 | 16 06 |

| |
|--------------|
| CHECK AMOUNT |
| \$100.00 |

VOID AFTER 90 DAYS

THE SUM OF \$100.00

LA COUNTY DEPT. OF PUBLIC WORKS
900 SOUTH FREMONT AVE.
ALHAMBRA, CA 91803-1331

PAY TO
THE
ORDER OF

Richard Gonzalez
Thomas Y. Law

⑈ 50 2506 ⑈ ⑆ 12200066 ⑆ 14594 ⑈ 05958 ⑈

CITY OF VERNON LIGHT & POWER • 4305 SANTA FE AVE. • VERNON, CALIFORNIA 90058-0805

| VENDOR NO. | VENDOR NAME | DATE CHECK ISSUED | CHECK NO. | | |
|---------------------------------|---------------|-------------------|--------------------------|-------------|---------------|
| LA COUNTY DEPT. OF PUBLIC WORKS | | 02/16/06 | 502506 | | |
| CITY ACCOUNT NUMBER | YOUR INV. NO. | YOUR INV. DATE | PAYMENT DESCRIPTION | DISC. TAKEN | NET AMT. PAID |
| 055-500-91929-5600 | | | FLOOD APPLICATION PERMIT | | 100.00 |
| FILE DATE: 3/1/06cm | | | | | |

I. FEES

Fees will be calculated in consultation with Los Angeles Department of Public Works. The fee schedule is attached.

PERMIT FEES - FLOOD

Plan Check

One plan review fee for each permit. If permit requires plan review for more than one category, largest fee category only shall be charged.

| | | | |
|---------------------|------------|--------------------|---|
| Small Connections | 1" to 6" | \$50 | |
| | 8" to 24" | \$100 | |
| Large Connections | Over 24" | \$250 | |
| Minor Modifications | | \$50 | |
| Major Modifications | Case I | \$250 | For catch basins and utility crossings |
| | Case II | (\$500 min) Actual | |
| Overbuilding | | (\$500 min) Actual | |
| Excavations | | \$200 | |
| Bridge | Clear Span | (\$500 min) Actual | No modifications to District facilities |
| | All Others | (\$600 min) Actual | Including any modifications |
| Transfer Drains | | Actual | |

Inspection

| | | | |
|-----------------------------|----------------------------------|--------------------|--|
| Connections | 8" or less | \$200 | For outlets requiring flap gates or cover plates during construction, include additional \$75 |
| | Over 8" to 24" | \$300 | |
| | Over 24" to 33" | \$450 | |
| | Over 33" to 60" | \$600 | |
| | Over 60" | \$875 | |
| Modifications | Minor | \$75 | |
| | Major | (\$250 min) Actual | |
| Crossing | Aerial | \$200 | Communications and power lines |
| | Pipelines | \$400 | |
| Bridging | Clear Span | \$500 | No modifications to District facilities |
| | All Others | (\$600 min) Actual | Major constructions |
| Utility Corridor (Parallel) | If no agreement between parties, | | |
| | Primary | (\$500 min) Actual | |
| | Secondary | (\$500 min) Actual | |
| Catch Basins | (maintained by District) | | |
| | One | \$200 | If basins are not located at one street intersection or in the immediate vicinity, separate / individual fees will be charged. |
| | Two | \$275 | |
| | Three | \$375 | |
| | Four | \$475 | |
| | Five | \$550 | |
| Transfer Drains | | Actual | |

Miscellaneous Services

| | |
|--|--------------------------------|
| Searching of records | \$30 |
| Checking of maps | (\$75 min) Actual |
| Reviewing legal documents | (\$75 min) Actual |
| Amendment to permits | \$50 |
| Extension of time to permits | \$25 |
| Vehicle testing or any temp. Use of right-of-way | \$30 /day plus \$75 inspection |
| Taking of motion or TV pictures | \$300 /day |
| Taking of still pictures | \$100 /day |
| Temporary access to adjoining lands | |
| If fence has to be removed / replaced | \$75 /job incl inspection |
| If no fence or fence is not removed | \$50 /job with 2 insp trips |
| | \$25 /job with 1 insp trip |
| Apiary 50 hives maximum per location | \$50 /yr incl inspection |

Issuance of Flood Hazard Reports

| | |
|---------|--------|
| Regular | \$30 |
| Quarry | Actual |

II. AS-BUILT PLANS

Owner to request a copy of the LACFCD as-built plans and provide a sketch of the correct location for the proposed connection. Request from the Plan Room of the Department of Public Works.

III. RIGHT-OF-WAY MAP

Owner to request a copy of the LACFCD right-of-way map. Request from the Survey Division of the Department of Public Works.

IV. FOUR SETS OF CONSTRUCTION PLANS

Four copies of collated and stapled sets of final construction plans must be submitted with this packet when they have been developed. See next page for plan requirements.

V. **SUBMIT FOUR OR SEVEN (if Army Corps of Engineers facility) SETS OF FULL SIZE (24" x 36") PLANS SHOWING THE FOLLOWING INFORMATION:**

- A. Show a vicinity map with the Thomas Guide page number and grid. Show the "North" arrow, scale(s) used, and elevations on the profile view(s).
- B. Plan sheets should be wet stamped and signed by a professional Civil/Structural Engineer licensed to practice in California.
- C. Show the outline of the storm drain and/or channel with dashed lines and label the mainline of the facility with the LACFCD or the Army Corps of Engineers name.
- D. Show the centerline and indicate the mainline storm drain Stations at all points of work that affect LACFCD facilities. NOTE: Midline connections to connector pipes are not allowed.
- E. Show the dimensioned property and right-of-way lines. Label the LACFCD right-of-way lines as either fee or easement.
- F. Plans stamped "preliminary" or "not for construction" etc. are not acceptable for permit issuance.
- G. You must show the full plan, profile, details, and dimensions for all proposed connections.
- H. Label the station of the proposed line at the connection (centerline intersection). Show the D-load for reinforced concrete pipe (RCP). For polyvinyl chloride pipe (PVC) use a minimum of Schedule 80 within District or public right-of-way. Asphalt concrete pipe (ACP) and corrugated metal pipe (CMP) are not acceptable as connections to LACFCD facilities.
- I. Label across the profile view who the proposed line is to be maintained by: LACFCD or owner.
- J. You must call out American Public Works Association (APWA, latest edition) Standard Plan(s) (specify applicable variables, A, B, C, etc.) or the US Army Corps Standard Drawings for all connections. If not per Standard, show details and cross sections of the connection (allow additional time for review). Manuals for Standard Plans may be purchased at the Department of Public Works Cashier's Office on the west side of main lobby, (626) 458-6959.
- K. Show a profile view with the following items:
- Allowable "Q" in cfs (across the top).
 - Velocity "V" in fps at the point of connection for 24-inch connections and above.
 - Label who the proposed line is to be maintained by; LACFCD or owner (across the bottom).
 - Show the HGL along the proposed connecting system.
 - Slope along the grade line.
 - Pipe size, length and strength.
- L. Show a profile of the proposed line with the following items if it is to be maintained by LACFCD:
- Slope along the grade line (minimum 1.0% for connector pipes).
 - Size of pipe (minimum 18" for connector pipe and a minimum 24" for laterals and mainlines).
 - Use reinforced concrete pipe (RCP) and show the D-load.

NOTE: Remember to research utilities, verify utility location, and design accordingly (pothole if necessary). Show all utilities affecting your design on the plan and profile view.

M. Most common types of connections and their requirements:

1. DIRECT CONNECTION TO MAINLINE:

- Show the invert elevation of the mainline and of the proposed line at the point of connection. Also, show the elevation of the top of grate inlet on-site.
- Show the slope along the grade line.
- Show the existing hydraulic grade line (HGL) of the mainline.
- Include the "Concrete Removal Notes", found on page 8.

2. CONNECTION TO BACK OR SIDE OF CATCH BASIN:

- The point of discharge shall not be on the steps of the catch basin.
- Only one connection for a catch basin is allowed.
- Connections larger than 12-inches must show a detail of the connection or reference to an appropriate APWA Standard Plan and include calculations showing no adverse structural or hydraulic condition occurs in catch basin.
- Label the invert elevation of the catch basin, of the proposed line at the point of connection, and of the top of curb at the catch basin.
- Label the elevation of the invert and the elevation of the top of the grate inlet on-site.
- Include the "Concrete Removal Notes", found on page 8.

3. DIRECT CONNECTION TO A CHANNEL

- If the channel is constructed or maintained by the U.S. Army Corps of Engineers, submit two additional copies of the plans for their review. The type of connection must be per a Corps of Engineers Standard Junction Structure (show the structural detail on the drawings).
- Show the profile of the proposed pipe including the elevations at the top of channel, at the invert of the channel, and at the invert of the proposed line.
- A flapgate will be required when the elevation of the top of the proposed inlet is below the top of the channel wall elevation. Use automatic flapgate inlet per LACDPW Std. Plan 3061-2.
- The Angle of Entry must meet Corps criteria.
- For Corps channels, the soffit of the connector pipe should be a minimum of four feet below the design water surface of the channel.
- Include the "Concrete Removal Notes", found on page 8.

4. CATCH BASIN RELOCATION REQUIREMENTS

- Need minimum 1% slope for proposed connector pipe.
- Call out the size, length and D-load of the proposed pipes.
- Indicate that the horizontal deflection angle of the connector pipe does not exceed 30 degrees on the plan (no angle point is allowed if the system is LACFCD-maintained).
- If the horizontal deflection angle of the connector pipe is larger than 30 degrees, you must use a manhole. (If a manhole is used, there will be an additional plan check and inspection fees).
- Only one angle point per connector pipe is allowed (no angle point is allowed if the system is LACFCD-maintained).
- Call out the abandonment of the connector pipe and the removal of the catch basin. (Abandoned pipe must be sealed at both ends with 6" concrete or 8" brick and mortar and filled with dry inert material per APWA Standard Plan 381-1).
- If a different size (W or V-depth) or type of catch basin or a different local depression is used, submit calculations to show the capacity of the proposed catch basin will meet the original design requirements. If an identical catch basin and local depression are used, hydrology and hydraulic calculations are not required. Show reference to all appropriate APWA Std. Plans (i.e., curb opening C.B. per APWA 300-2 and local depression at C.B. per APWA 313-1).
- Indicate the type of local depression and "H" value on the plans for proposed catch basins. Be sure to dimension according to the latest edition of APWA Standard Plan 313.
- For catch basins located at corners of intersections, submit a plan that shows the elevations of the top of curb and flow lines at BC and EC and mid-point of curb return and 50' beyond on both sides.

NOTE: If an existing catch basin is located at a low point (i.e. sump condition) and proposed relocation of catch basin is to be upstream of the low point, no ponding of nuisance water will be allowed in the low point where the existing catch basin is removed.

- V. HYDROLOGY AND HYDRAULIC DATA
- VI. TWO SETS OF HYDROLOGY CALCULATIONS
- VII. TWO SETS OF HYDRAULIC CALCULATIONS

Owner to request a copy of the LACFCD existing hydrology and hydraulic data for the facility. Obtain data from Mr. Amir Zandieh of the design Division at (626) 458-7894. Highlight the relevant data used in the submittal calculations on the copies of the LACFCD's documents. Hydrology and hydraulic calculations to be provided following completion of design work. See next page for requirements.

VII. HYDROLOGY CALCULATIONS:

- A. Non-tributary areas will be considered on an individual basis. In order for a diversion proposal to be approved, you must show conclusively that your proposal will not adversely affect our facility or area served by our facility.
- B. Show a drainage area map of the proposed site with the existing subareas from the design hydrology transposed on the drainage area map. Label the proposed area of your site in each existing subarea.
- C. Show off-site "Q" affecting your proposed facility.
- D. Compute the total allowable "Q" for the proposed site based on the allowable discharge "q" in cfs per acre of the existing subareas from the design hydrology.
- E. Compute the design hydrology peak flow rate "Q" for the proposed site using the hydrologic method in the "LACDPW Hydrology Manual 1991."
- F. Design the proposed connection based on the smaller of the two "Q"s computed. The maximum discharge "Q" that will be authorized is what was originally tabled from the proposed site to the LACFCD facility.

VIII. HYDRAULIC CALCULATIONS:

- A. Identify the hydraulic grade line of the existing LACFCD facility.
- B. Show hydraulic calculations for sizing the connections to limit discharge to the allowable "Q". Use WSPG program or Manning's equation assuming the pipe will be flowing full.
- C. Show the effect of your proposed "Q" on the LACFCD facility's hydraulic grade line. Review the effects of hydraulic grade line changes on catch basin systems as necessary.
- D. Show the design capacity and flow velocity of the proposed pipe.

VIII. SUSMP REQUIREMENTS

The VPP falls into the category of "redevelopment" under the SUSMP regulations. Accordingly, it is expected that the Los Angeles County Department of Public Works will require that the attached application be completed together with the Flood Permit Application. LADPW will look for compliance with the SUSMP, which means minimizing the possibility that pollutants of concern will be discharged into the storm drain system. In addition to normal BMPs expected for an industrial site (e.g., oil/water separators), this could also include creative design of outdoor material and trash storage areas. SUSMP requirements will be similar to those required to comply with the statewide Industrial General Permit.



**COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUILDING AND SAFETY DIVISION
GRADING AND DRAINAGE SECTION
STANDARD URBAN STORMWATER MITIGATION PLAN (SUSMP)**

CORRECTION SHEET

Urban and storm water runoff is considered to be one of the largest sources of pollution to both local waterways and coastal areas of the United States. Los Angeles County was issued a National Pollutant Discharge Elimination System permit for municipal stormwater and urban runoff discharges within the County of Los Angeles on December 13, 2001, by the Los Angeles Regional Water Quality Control Board. Under this permit, the County is required to prohibit the discharge of pollutants from private property developments. Preventing these pollutants from entering stormwater discharge system will be accomplished by requiring the installation and maintenance of post-construction treatment control Best Management Practices (BMP's) on qualifying projects.

PROJECT INFORMATION

| | | | |
|--|---------------|---------------|---------------------------------|
| SITE ADDRESS | CITY/LOCATION | DISTRICT NO. | GRADING/BUILDING PLAN CHECK NO. |
| DESIGN ENGINEER/APPLICANT | | TELEPHONE NO. | |
| OWNER/DEVELOPER | | TELEPHONE NO. | |
| PLAN CHECKER | | ENTRY DATE | |
| PROJECT DESCRIPTION/PROPOSED OCCUPANCY | | | |

- The project as proposed is exempt from the requirements of the Development Construction provisions of the County NPDES permit.

The following is a list of new development and redevelopment projects/activities requiring the incorporation of Best Management Practices (BMP's) into the project plans. If the proposed new development or redevelopment and/or activity falls into one of these categories as indicated below, BMP's shall be incorporated into project plans to satisfy SUSMP requirements. Details of SUSMP provisions must be prepared and submitted as part of the project building or grading plans (see Section 106.4.3 of the Los Angeles County Building Code).

Project/Activities requiring BMP's under the SUSMP provisions:

- Single family hillside development.
- "Hillside" means property located in an area where the development contemplates grading on any natural slope that is twenty-five percent or steeper.
- ~~Industrial/Commercial development that creates an area of one acre or more of impermeable area.~~
- Retail gasoline outlet, gas station, or fuel dispensing.
- Automotive repair shop, automotive and/or equipment maintenance areas.
- Restaurant, outdoor food handling or processing.

- Parking lot creating 5,000 square feet or more of surface area, with 25 or more parking spaces and potentially exposed to stormwater runoff.
- Projects located within, directly adjacent to, or directly tributary to an environmentally sensitive area.
- Automotive or equipment washing or cleaning area(s).
- Outdoor hazardous material, waste handling or storage.
- Commercial or industrial waste.
- Outdoor manufacturing areas such as equipment or product fabrication including welding, cutting, sawing, metal fabrication, assembly, application of paints, coatings, or finishes, pre-cast concrete fabrication, equipment or machinery repair and/or maintenance, etc.
- Outdoor horticulture activities.
- Animal slaughtering, animal confinement, pet care facilities, stables, kennels, etc.
- Ten or more unit homes.

• **REDEVELOPMENT PROJECTS**

"Redevelopment" means land-disturbing activity that results in creation, addition or replacement of 5,000 square feet or more of impervious surface area on an already developed site. Redevelopment includes, but is not limited to, the expansion of a building footprint, addition or replacement of a structure; replacement of impervious surface that is not part of a routine maintenance activity; and land-disturbing activities related with structural or impervious surfaces. It does not include routine maintenance to maintain original line and grade, hydraulic capacity, or original purpose of facility, nor does it include emergency construction activities required to immediately protect public health and safety. Where redevelopment results in an alteration to less than fifty percent of the impervious surfaces of a previously existing development, and the existing development was not subject to these SUSMP requirements, the Design Standards apply only to the alteration, and not to the entire development. Where redevelopment results in an alteration to more than fifty percent of impervious surfaces of a previously existing development, and the existing development was not subject to the SUSMP requirements, the Design Standards apply to the entire project.

REDEVELOPMENT: Redevelopment projects covered under the project/activities categories indicated above may require BMP's under the SUSMP provisions. Your redevelopment project is:

- Exempt:** (Impervious surface area replaced, added, or created is < 5,000 square feet) Proposed improvements are less than 5,000 square feet or maintains original line and grade, or original purpose of the facility and therefore, is exempt from SUSMP requirements.
- BMP's to meet SUSMP requirements must be incorporated into Design Plans:** (Impervious surface area replaced, added, or created is > 5,000 square feet.) Proposed improvements are greater than or equal to 5,000 square feet and does not maintain original line and grade, and therefore, is subject to SUSMP requirements.

Your redevelopment project requires the following:

- BMP's must be incorporated in project plans for the newly developed area only:** Required when an alteration results in an increase of less than 50 percent of the impervious surfaces of the previously existing development, and the existing development was not subject to SUSMP requirements.
- BMP's must be incorporated in project plans for the newly developed and existing areas.** Required when an alteration results in an increase of greater than 50 percent of the impervious surfaces of the previously existing development.

AGENCY REFERRALS

- Submit and obtain approval from Environmental Programs Division, Industrial Waste Unit, for any structural BMP's selected to treat onsite pollutants for the proposed non-residential project. An annual operating permit may be required. Environmental Programs Division, Industrial Waste Unit - 900 S. Fremont, Annex Building, third floor, (626) 458-3517. Please contact Environmental Programs Division for required Fees and minimum submittal and requirements. Please note prior to obtaining approval from Environmental Programs Division the location and the design flows for all BMP's must be shown on plans and approved by Building and Safety.
- Obtain an encroachment permit for the proposed construction and/or discharge of drainage in road right of way. Construction Division, Permits Section - 900 S. Fremont, Alhambra, 8th Floor, (626) 458-3129.
- Obtain a connection permit or approval for the proposed connection to the Los Angeles County Flood Control District Drain_____. Construction Division, Permits Section, 900 S. Fremont, Alhambra, 8th Floor, (626) 458-3129.
- Obtain an encroachment/connection permit for the proposed construction/connection or discharge of drainage in road right of way. City of _____/Caltrans.

- This project is located within the City of _____. Obtain approval from the City for SUSMP requirements. (Required for all Cities which do not contract this service from the Los Angeles County Department of Public Works).

HYDRAULIC and HYDROLOGY REQUIREMENTS

- Provide a hydrology analysis to determine the design flow rate (Q_{PM}) or Volume (VM) for the first 3/4-inch of rainfall that must be treated. Attached is a simplified design chart which you may use for determining the design flow rate (Q_{PM}). The table assumes a time of concentration of 5 minutes. A substantial reduction in the design flow rate may be obtained by doing a more detailed analysis. If a more detailed hydrology study is desired, please refer to the Development Planning for Storm Water Management Manual, and the Los Angeles County Hydrology Manual. (See attached Reference 1.)

When calculating the time of concentration, calculations must show all variables used in the analysis. This includes identifying the longest overland flow path for the subarea (L).

- Submit site specific hydraulic calculations along with the recommended structural BMP manufacturer's product specifications to verify the BMP will adequately handle the minimum design flow required for treatment. Note: The proposed project improvements must provide the required minimum level of flood protection.
- Provide Hydraulic analysis for the following: _____

- Outlet velocities from proposed drainage devices must be designed to minimize erosion. Energy dissipation is required for all devices. Calculations for the sizing of dissipaters must be provided. Soils analysis may be required to determine the site conditions and susceptibility to erosion.

GENERAL COMMENTS

- For building plans, all SUSMP requirements and associated details for the proprietary or non-proprietary BMP's shall be shown on the building site plan. (Plan scale shall be 1"=40' or better.)
- For grading plans, all SUSMP requirements and associated details for the proprietary or non-proprietary BMP's shall be shown on the grading plans.
- The project must mitigate the first 3/4-inch of rainfall for each storm event and be designed to minimize the introduction of pollutants from the site runoff into the stormwater conveyance system. (Reference 1)

In addition to those items required on the site grading and/or building drainage plans, the following SUSMP information shall be incorporated on the plans:

- Show the location of proposed BMP's on plans. All necessary manufacturer's installation notes and construction requirements and/or details must be included on the plans for all treatment and holding facilities. This includes model, size, material type, dimensions, volumetric capacity, and manufacture's treatment capacity.
- For non-proprietary BMP's, in addition to the items indicated above, provide details of all organic materials including plants, filter materials and specifications. Planting and irrigation details for any vegetated BMP must be indicated on the plans.
- Specify all elevations for proposed BMP's, inverts or flow lines as applicable.
- Specify on the plans for each drainage device, the total design flow, Q_{TOTAL} and the peak mitigation flow rate, Q_{PM} (See Reference 1 for additional information).
- Clearly show driveway/access road drainage and provide BMP's for treatment of driveway flows. Provide elevations, cross sections, or slopes as applicable.
- Show proposed drainage in paved areas. Provide spot elevations, slopes, and flow arrows to intended outlet(s). If offsite tributary flows are not included in onsite treatment, show how flows will be directed away from proposed BMP's. Provide topography, elevations, cross sections, slopes, and details as applicable.
- For commercial properties, all catch basins and inlets that discharge into an existing or proposed storm drain must be labeled to discourage illegal dumping of pollutants. See attached stencil example of "No Dumping--Drains to Ocean." Stencils may be purchased at the local Building and Safety Office. Call (626) 458-6390
- Direct rooftop runoff to pervious areas such as yards, vegetated open channels, or areas where practical. Provide BMP solution for treatment of roof runoff.

Add the following SUSMP notes to the site grading and/or building drainage plans.

SUSMP NOTES:

1. Determine and provide the pre and post development pervious and impervious areas created by the proposed development. Show the following on Plans:

| | |
|-------------------------|--------|
| POST DEVELOPMENT | |
| Impervious Area _____ | Acres, |
| Pervious Area _____ | Acres, |
| PRE DEVELOPMENT | |
| Impervious Area _____ | Acres, |
| Pervious Area _____ | Acres, |

2. All structural BMP's shall be accessible for inspection and maintenance and shall bear a "No Dumping – Drains to Ocean" symbol in traffic rated paint per detail herein. Stencil is available at any of the Building and Safety's District offices.
3. Prior to commencement of any work within the road right of way and/or connection to a County-maintained storm drain, an encroachment permit from Construction Division is required. For more information call (626) 458-3129.
4. Prior to commencement of any work and/or discharge of drainage to a watercourse, a permit from both the California Department of Fish and Game and U.S. Army Corps of Engineers may be required.
5. **STATEMENTS OF UNDERSTANDING**

As the Architect/Engineer of the project, I have reviewed the Development Planning for Storm Water Management—A manual for the Standard Urban Stormwater Mitigation Plan (SUSMP), and have proposed the implementation of the permanent Best Management Practices (BMP's) applicable to effectively minimize the negative impacts of the project's stormwater runoff. The selected BMP's will be installed per the approved plans and as recommended by the product manufacturer as applicable.

Signature - Architect/Engineer of Record

Date

CERTIFICATIONS AND PROOF OF ONGOING MAINTENANCE

- Project Civil Engineer/Architect must complete the **STATEMENTS OF UNDERSTANDING**, see SUSMP general note number 5 which must be signed and added to proposed plans.
- Provide recorded and certified copies of the attached **MAINTENANCE AGREEMENT FOR SUSMP DEVICES** to provide for ongoing operation and maintenance of SUSMP devices, refer to attached agreement.
- _____

DESIGN SUGGESTIONS

- Examples of BMP's can be found in the attached reference list.
- Wherever practical, use natural drainage areas/systems to convey flows.
- Utilize permeable materials for sidewalks, driveways, and parking lots where practicable.
- Employ the use of detention basins, infiltration basins, and infiltration trenches where applicable.
- Concentrate or cluster proposed developments on portions of site while leaving the greatest area of land in a natural undisturbed condition.
- Conserve natural areas by minimizing the amount of site clearing and grading of native vegetation required for development.
- Maximize trees and other vegetation at each site by planting additional vegetation, clustering tree areas, and promoting the use of native and/or drought tolerant plants.
- Promote natural vegetation by using parking lot islands and other landscaped areas.
- Preserve riparian areas and wetlands.

AREAS OF SPECIAL ATTENTION

The items indicated below for commercial developments are reviewed by Environmental Programs Division, Industrial Waste Unit. The following requirements are provided for reference only:

Properly Design Material Storage Areas:

- Provide a roof above the material storage area. If the roof structure does not include side walls, then the roof's overhang must extend a minimum of 20 percent of the roof's height. Elimination of roof cover will be reviewed on a case-by-case basis.

- The storage area must be paved and sufficiently impervious to contain leaks and spills. Provide and show on plans all storage areas for chemicals and/or waste materials stored at the subject facility, with a tank/drum schedule indicating tank capacities, materials of construction, and contents. Provision for spill containment is required where such materials may potentially enter the sewer system, storm drain, or contaminate the soil. Spill containment should be designed for the volume of the largest tank or 10 percent of the drum total (whichever is greater), plus 6 inches of rainfall over the containment area (if outdoors). Submit a typical detail of the containment curb and specify the materials of construction.
- All tanks containing incompatible materials such as acids, bases, reactive or flammable materials must have separate spill containment systems.
- Interior wall and floors within all spill containment areas shall be cleaned, repaired and sealed with an epoxy or equivalent type sealant which is compatible with the materials located within said areas. Provide manufacturer's literature of selected sealant and indicate on drawings areas to be sealed.
- The contact joint for spill containment walls or dikes constructed on existing concrete, masonry or asphalt shall be bonded to the existing surface. Provide manufacturer's literature of the selected bonding agent and indicate on drawings areas to be bonded.
- Materials collected in the spill containment area must be controlled until a determination is made regarding their quality and legal disposal method.

Properly Design Loading/Unloading Areas:

- Provide a roof above the loading dock area. If the roof structure doesn't include side walls, then the roof's overhang must extend a minimum of 20 percent of the roof's height. Elimination of the roof cover will be reviewed on a case-by-case basis.
- Design drainage to minimize stormwater runoff onto loading/unloading area.
- Direct connections to storm drains from depressed loading docks (truck wells) are prohibited.

Properly Design Repair/Maintenance Bays:

- Repair/maintenance bays must be indoors or designed in such a way that does not allow stormwater runoff onto the wash bay.
- Design repair/maintenance bay drainage system to capture all wash water, leaks and spills. Show on plans all proposed drain connections for collection and disposal. Direct connection of the repair/maintenance bay outlet drain to the storm drain system is prohibited.
- If wastewater is generated, the person responsible for the discharge must file for an Industrial Waste Disposal Permit.

Properly Design Vehicle/Equipment Wash Areas:

- Vehicle/equipment wash areas are subject to Industrial Waste Discharge Permit plan review.

- Vehicle/equipment wash areas shall be provided with a clarifier and a sample box. The discharge must be routed to the sanitary sewer line. Details, as applicable, must be indicated on plans.
- Provide a roof above the vehicle/equipment wash area. If the roof structure does not include side walls, then the roof's overhang must extend a minimum of 20 percent of the roof's height. Elimination of the roof cover will be reviewed on a case-by-case basis.
- If a cover is not feasible, provide an approved rainwater diversion system along with a clarifier and a sample box (County Standard Plan 2043-0, enclosed). Diverted flow may require pretreatment, verification of pollutant removal and/or storage prior to discharge to the storm drain.Properly Design Fueling Areas:
 - The fuel dispensing area must be covered with a roof structure or canopy. The canopy's minimum dimensions must be equal to or greater than the area within the grade break. The canopy must not drain onto the fuel dispensing area, and the canopy downspouts must be routed to prevent drainage across the fueling area.
 - Fuel dispensing areas must be paved with Portland cement concrete (or equivalent smooth impervious surface), and the use of asphalt concrete shall be prohibited.
 - Propose a spill collection and cleanup maintenance plan for the fueling area. Flows from washing down of the fueling area entering the storm drain system is prohibited.

Properly Design Refuse Collection Areas:

- If drains are proposed in the refuse collection area, these shall be connected to the sanitary sewer with proper pretreatment facilities. Surrounding areas shall be graded to drain away from the refuse collection area.
- Drainage from adjoining roofs must be diverted away from the refuse collection area.
- Refuse collection areas must be screened or walled to prevent off-site transport of refuse.

Properly Design Parking Areas:

- Infiltration runoff which may potentially contaminate soil is not acceptable.
- Provide a pretreatment facility to treat stormwater flows prior to entering the storm drain system.

REFERENCES

1. Development Planning for Storm Water Management, A Manual for the Standard Urban Stormwater Mitigation Plan (SUSMP), Los Angeles County Department of Public Works
2. California Stormwater Best Management Practices Handbook
3. Caltrans Stormwater Quality Handbook: Planning and Design Staff Guide
4. Manual for Stormwater Management in Washington State
5. The Maryland Stormwater Design Manual
6. Florida Development Manual: A Guide to Sound Land and Water Management
7. Denver Urban Storm Drainage Criteria Manual
8. USEPA Report No. EPA-840-B-92-002

APPENDIX

APPENDIX 1 (Page II to V)

3/4" PEAK MITIGATED FLOW RATE (Q_{PM})

The attached simplified tables calculate the Peak Mitigated Flow Rate (Q_{PM}) for a time of concentration of 5 minutes for various percent imperviousness. This table is intended to be used as a design guide. A more detailed analysis may be desired for larger projects with higher time of concentrations.

APPENDIX 2 (Page VI)

SUSMP MAINTENANCE COVENANT

The purpose of the SUSMP Maintenance Covenant is to ensure that all current and future owners of a development are made aware that the site contains SUSMP BMP's that must remain operational and be maintained. The covenant shall be recorded against the subject property. COVENANT MUST BE SIGNED, NOTARIZED, AND RECORDED. Applicant must provide copy of the recorded document stamped by the County Recorder's office.

RECORDATION is the responsibility of the applicant. The main Recorder's office is located at 12400 Imperial Highway in the City of Norwalk. Additional branch offices for recording documents are available.

Information for the County Recorder's offices can be obtained on the Internet at <http://regrec.co.la.ca.us/main.htm> or by calling (562) 462-2125 for more information.

APPENDIX 3 EXAMPLES OF BMP'S (Page VII)

This Appendix contains example BMP's and design suggestions that may be incorporated into the project to satisfy the requirement for minimizing the release of pollutants from each new development. Additional examples may be found in reference one on the enclosed list.

APPENDIX 5 STENCIL FOR LABELING OF INLETS INTO DRAINAGE SYSTEM (Page VIII)

Inlets to closed storm drains must be clearly labeled that dumping of improper materials into stormwater conveyance system is prohibited. The attached "No Dumping-This Drains to Ocean" graphical icon is acceptable for stenciling or labeling of drain inlets.

**3/4 INCH - PEAK MITIGATED FLOW RATE (QPM)
TC=5 MINUTES**

| SOIL TYPE | % Impervious | | | | | | |
|-------------------------|--------------|-------|-------|-------|-------|-------|-------|
| | 40 | 50 | 60 | 70 | 80 | 90 | 100 |
| QPM=ACRES x Value Shown | | | | | | | |
| 002 | 0.308 | 0.325 | 0.341 | 0.357 | 0.373 | 0.389 | 0.406 |
| 003 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 004 | 0.197 | 0.232 | 0.267 | 0.302 | 0.336 | 0.371 | 0.406 |
| 005 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 006 | 0.243 | 0.270 | 0.297 | 0.325 | 0.352 | 0.379 | 0.406 |
| 007 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 008 | 0.330 | 0.343 | 0.355 | 0.368 | 0.380 | 0.393 | 0.406 |
| 009 | 0.235 | 0.264 | 0.292 | 0.320 | 0.349 | 0.377 | 0.406 |
| 010 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 011 | 0.246 | 0.273 | 0.299 | 0.326 | 0.352 | 0.379 | 0.406 |
| 012 | 0.357 | 0.365 | 0.373 | 0.381 | 0.389 | 0.398 | 0.406 |
| 013 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 014 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 015 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 016 | 0.206 | 0.239 | 0.272 | 0.306 | 0.339 | 0.372 | 0.406 |
| 017 | 0.268 | 0.291 | 0.314 | 0.337 | 0.360 | 0.383 | 0.406 |
| 018 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 019 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 020 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 021 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 022 | 0.199 | 0.233 | 0.268 | 0.302 | 0.337 | 0.371 | 0.406 |
| 023 | 0.198 | 0.232 | 0.267 | 0.302 | 0.336 | 0.371 | 0.406 |
| 024 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 025 | 0.320 | 0.335 | 0.349 | 0.363 | 0.377 | 0.391 | 0.406 |
| 026 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 027 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 028 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 029 | 0.303 | 0.320 | 0.338 | 0.355 | 0.372 | 0.389 | 0.406 |
| 030 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 031 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 032 | 0.234 | 0.262 | 0.291 | 0.320 | 0.348 | 0.377 | 0.406 |
| 033 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 034 | 0.265 | 0.288 | 0.312 | 0.335 | 0.359 | 0.382 | 0.406 |
| 035 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 036 | 0.280 | 0.301 | 0.322 | 0.343 | 0.364 | 0.385 | 0.406 |
| 037 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 038 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 039 | 0.259 | 0.283 | 0.308 | 0.332 | 0.357 | 0.381 | 0.406 |
| 040 | 0.268 | 0.291 | 0.314 | 0.337 | 0.360 | 0.383 | 0.406 |
| 041 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 042 | 0.247 | 0.274 | 0.300 | 0.327 | 0.353 | 0.379 | 0.406 |
| 043 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |

TC=5 MINUTES

| SOIL TYPE | % Impervious | | | | | | |
|-------------------------|--------------|-------|-------|-------|-------|-------|-------|
| | 40 | 50 | 60 | 70 | 80 | 90 | 100 |
| QPM=ACRES x Value Shown | | | | | | | |
| 044 | 0.304 | 0.321 | 0.338 | 0.355 | 0.372 | 0.389 | 0.406 |
| 045 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 046 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 047 | 0.206 | 0.239 | 0.272 | 0.306 | 0.339 | 0.372 | 0.406 |
| 048 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 049 | 0.229 | 0.258 | 0.288 | 0.317 | 0.347 | 0.376 | 0.406 |
| 050 | 0.275 | 0.297 | 0.318 | 0.340 | 0.362 | 0.384 | 0.406 |
| 051 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 052 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 053 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 054 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 055 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 056 | 0.230 | 0.259 | 0.288 | 0.318 | 0.347 | 0.376 | 0.406 |
| 057 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 058 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 059 | 0.223 | 0.253 | 0.284 | 0.314 | 0.345 | 0.375 | 0.406 |
| 060 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 061 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 062 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 063 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 064 | 0.247 | 0.273 | 0.300 | 0.326 | 0.353 | 0.379 | 0.406 |
| 065 | 0.303 | 0.320 | 0.337 | 0.354 | 0.371 | 0.389 | 0.406 |
| 066 | 0.208 | 0.241 | 0.274 | 0.307 | 0.340 | 0.373 | 0.406 |
| 067 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 068 | 0.201 | 0.235 | 0.269 | 0.303 | 0.338 | 0.372 | 0.406 |
| 069 | 0.197 | 0.231 | 0.266 | 0.301 | 0.336 | 0.371 | 0.406 |
| 070 | 0.219 | 0.250 | 0.281 | 0.312 | 0.343 | 0.375 | 0.406 |
| 071 | 0.259 | 0.284 | 0.308 | 0.332 | 0.357 | 0.381 | 0.406 |
| 072 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 073 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 074 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 075 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 076 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 077 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 078 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 079 | 0.203 | 0.237 | 0.270 | 0.304 | 0.338 | 0.372 | 0.406 |
| 080 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 081 | 0.229 | 0.258 | 0.288 | 0.317 | 0.347 | 0.376 | 0.406 |
| 082 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 083 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 084 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 085 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 086 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 087 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |

TC=5 MINUTES

| SOIL TYPE | % Impervious | | | | | | |
|-------------------------|--------------|-------|-------|-------|-------|-------|-------|
| | 40 | 50 | 60 | 70 | 80 | 90 | 100 |
| QPM=ACRES x Value Shown | | | | | | | |
| 088 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 089 | 0.214 | 0.246 | 0.278 | 0.310 | 0.342 | 0.374 | 0.406 |
| 090 | 0.282 | 0.302 | 0.323 | 0.344 | 0.364 | 0.385 | 0.406 |
| 091 | 0.270 | 0.293 | 0.316 | 0.338 | 0.361 | 0.383 | 0.406 |
| 092 | 0.293 | 0.312 | 0.330 | 0.349 | 0.368 | 0.387 | 0.406 |
| 093 | 0.211 | 0.244 | 0.276 | 0.308 | 0.341 | 0.373 | 0.406 |
| 094 | 0.300 | 0.317 | 0.335 | 0.353 | 0.370 | 0.388 | 0.406 |
| 095 | 0.282 | 0.302 | 0.323 | 0.344 | 0.364 | 0.385 | 0.406 |
| 096 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 097 | 0.215 | 0.247 | 0.279 | 0.310 | 0.342 | 0.374 | 0.406 |
| 098 | 0.257 | 0.282 | 0.307 | 0.331 | 0.356 | 0.381 | 0.406 |
| 099 | 0.250 | 0.276 | 0.302 | 0.328 | 0.354 | 0.380 | 0.406 |
| 100 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 101 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 102 | 0.244 | 0.271 | 0.298 | 0.325 | 0.352 | 0.379 | 0.406 |
| 103 | 0.220 | 0.251 | 0.282 | 0.313 | 0.344 | 0.375 | 0.406 |
| 104 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 105 | 0.200 | 0.235 | 0.269 | 0.303 | 0.337 | 0.371 | 0.406 |
| 106 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 107 | 0.267 | 0.290 | 0.313 | 0.336 | 0.359 | 0.383 | 0.406 |
| 108 | 0.319 | 0.333 | 0.348 | 0.362 | 0.377 | 0.391 | 0.406 |
| 109 | 0.227 | 0.257 | 0.287 | 0.316 | 0.346 | 0.376 | 0.406 |
| 110 | 0.314 | 0.329 | 0.345 | 0.360 | 0.375 | 0.390 | 0.406 |
| 111 | 0.197 | 0.232 | 0.267 | 0.302 | 0.336 | 0.371 | 0.406 |
| 112 | 0.247 | 0.273 | 0.300 | 0.326 | 0.353 | 0.379 | 0.406 |
| 113 | 0.210 | 0.243 | 0.275 | 0.308 | 0.341 | 0.373 | 0.406 |
| 114 | 0.199 | 0.233 | 0.268 | 0.302 | 0.337 | 0.371 | 0.406 |
| 115 | 0.268 | 0.291 | 0.314 | 0.337 | 0.360 | 0.383 | 0.406 |
| 116 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 117 | 0.326 | 0.339 | 0.352 | 0.366 | 0.379 | 0.392 | 0.406 |
| 118 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 119 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 120 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 121 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 122 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 123 | 0.276 | 0.298 | 0.319 | 0.341 | 0.362 | 0.384 | 0.406 |
| 124 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 125 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 126 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 127 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 128 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 129 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 130 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 131 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |

TC=5 MINUTES

| SOIL TYPE | % Impervious | | | | | | |
|-------------------------|--------------|-------|-------|-------|-------|-------|-------|
| | 40 | 50 | 60 | 70 | 80 | 90 | 100 |
| QPM=ACRES x Value Shown | | | | | | | |
| 132 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 133 | 0.226 | 0.256 | 0.286 | 0.316 | 0.346 | 0.376 | 0.406 |
| 134 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 135 | 0.225 | 0.255 | 0.285 | 0.315 | 0.346 | 0.376 | 0.406 |
| 136 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 137 | 0.207 | 0.240 | 0.273 | 0.306 | 0.339 | 0.373 | 0.406 |
| 138 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 139 | 0.298 | 0.316 | 0.334 | 0.352 | 0.370 | 0.388 | 0.406 |
| 140 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 141 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 142 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 143 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 144 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 145 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 146 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 147 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 148 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 149 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 150 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 151 | 0.243 | 0.270 | 0.297 | 0.325 | 0.352 | 0.379 | 0.406 |
| 152 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 153 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 154 | 0.201 | 0.236 | 0.270 | 0.304 | 0.338 | 0.372 | 0.406 |
| 155 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 156 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 157 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 158 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 159 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 160 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 161 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 162 | 0.212 | 0.245 | 0.277 | 0.309 | 0.341 | 0.373 | 0.406 |
| 163 | 0.300 | 0.318 | 0.335 | 0.353 | 0.370 | 0.388 | 0.406 |
| 164 | 0.192 | 0.228 | 0.263 | 0.299 | 0.334 | 0.370 | 0.406 |
| 165 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 166 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 167 | 0.249 | 0.275 | 0.301 | 0.327 | 0.353 | 0.380 | 0.406 |
| 168 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 169 | 0.233 | 0.261 | 0.290 | 0.319 | 0.348 | 0.377 | 0.406 |
| 170 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |
| 171 | 0.193 | 0.229 | 0.264 | 0.300 | 0.335 | 0.370 | 0.406 |
| 172 | 0.189 | 0.225 | 0.261 | 0.297 | 0.334 | 0.370 | 0.406 |

EXAMPLE: FOR A 3 ACRE SITE, SOIL TYPE 150, COMMERCIAL PROPERTY
 WITH 90% IMPERVIOUSNESS
 QPM = (3.0) ACRES X 0.370 = 1.11 CFS

RECORDING REQUESTED BY AND MAIL TO:

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUILDING AND SAFETY DIVISION
900 S. FREMONT AVENUE, 3RD FLOOR
ALHAMBRA, CA 91803-1331

Space above this line is for Recorder's use

**MAINTENANCE COVENANT FOR STANDARD URBAN STORMWATER MITIGATION (SUSMP)
REQUIREMENTS**

Pursuant to Section 106.4.3 of the County of Los Angeles Building Code and Title 12, Chapter 12.8 of the Los Angeles County Code relating to the control of pollutants carried by stormwater runoff, structural and/or treatment control Best Management Practices (BMP's) have been installed on the following property:

LEGAL DESCRIPTION

ASSESSOR'S ID # _____ TRACT NO. _____ LOT NO. _____

ADDRESS: _____

I (we) _____, hereby certify that I (we) am (are) the legal owner(s) of
(Legal Name of Property Owners)
property indicated above, and as such owners for the mutual benefit of future purchasers, their heirs, successors, and assigns, do hereby fix the following protective conditions to which their property, or portions thereof, shall be held, sold and/or conveyed.

That owner(s) shall maintain the drainage devices such as paved swales, bench drains, inlets, catch basins, downdrains, pipes, and water quality devices on the property indicated above and as shown on plans permitted by the Los Angeles County Department of Public Works, in a good and functional condition to safeguard the property owners and adjoining properties from damage and pollution.

That owner(s) shall conduct maintenance inspection of all Structural or Treatment Control BMP's on the property at least once a year and retain proof of the inspection. Said maintenance inspection shall verify the legibility of all required stencils and signs and shall repaint and label as necessary.

That owner(s) shall provide printed educational materials with any sale of the property which provide information on what stormwater management facilities are present, the type(s) and location(s) of maintenance signs that are required, and how the necessary maintenance can be performed.

Owner(s):

By: _____ Date: _____

By: _____ Date: _____

(PLEASE ATTACH NOTARY)

EXAMPLE BEST MANAGEMENT PRACTICES (BMPs)

The following are examples of BMPs that can be used for minimizing the introduction of pollutants of concern that may result in significant impacts, generated from site runoff to the storm water conveyance system. (See Reference 1: Suggested resources for additional sources of information):

- Provide reduced width sidewalks and incorporate landscaped buffer areas between sidewalks and streets. However, sidewalk widths must still comply with regulations for the Americans with Disabilities Act and other life safety requirements.
- Design residential streets for the minimum required pavement widths needed to comply with all zoning and applicable ordinances to support travel lanes; on-street parking; emergency, maintenance, and service vehicle access; sidewalks; and vegetated open channels.
- Comply with all zoning and applicable ordinances to minimize the number of residential street cul-de-sacs and incorporate landscaped areas to reduce their impervious cover. The radius of cul-de-sacs should be the minimum required to accommodate emergency and maintenance vehicles. Alternative turnarounds should be considered.
- Use permeable materials for private sidewalks, driveways, parking lots, or interior roadway surfaces (examples: hybrid lots, parking groves, permeable overflow parking, etc.).
- Use open space development that incorporates smaller lot sizes.
- Reduce building density.
- Comply with all zoning and applicable ordinances to reduce overall lot imperviousness by promoting alternative driveway surfaces and shared driveways that connect two or more homes together.
- Comply with all zoning and applicable ordinances to reduce the overall imperviousness associated with parking lots by providing compact car spaces, minimizing stall dimensions, incorporating efficient parking lanes, and using pervious materials in spillover parking areas.
- Direct rooftop runoff to pervious areas such as yards, open channels, or vegetated areas, and avoid routing rooftop runoff to the roadway or the stormwater conveyance system.
- Vegetated swales and strips
- Extended/dry detention basins
- Infiltration basin
- Infiltration trenches
- Wet ponds
- Constructed wetlands
- Oil/Water separators
- Catch basin inserts
- Continuous flow deflection/separation systems
- Storm drain inserts
- Media filtration
- Bioretention facility
- Dry-wells
- Cisterns
- Foundation planting
- Catch basin screens
- Normal flow storage/separation systems
- Clarifiers
- Filtration systems
- Primary waste water treatment systems



IX. CERTIFICATE OF LIABILITY INSURANCE

Owner to provide a certificate of liability insurance along with the additional insured endorsements.

CITY COUNCIL

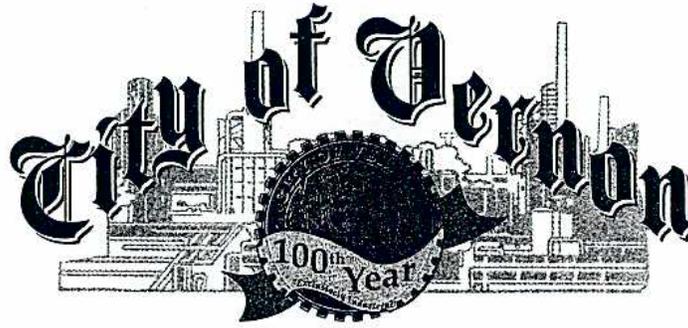
LEONIS C. MALBURG
Mayor

THOMAS A. YBARRA
Mayor Pro-Tem

WM. "BILL" DAVIS
Councilman

H. "LARRY" GONZALES
Councilman

W. MICHAEL McCORMICK
Councilman



4305 Santa Fe Avenue, Vernon, California 90058
telephone (323) 583-8811

SOL BENUDIZ
Police Chief

MARK C. WHITWORTH
Acting Fire Chief

LEWIS J. POZZEBON
Director of Environmental Health

S. KEVIN WILSON
Director of Community Services

SHARON L. DUCKWORTH
Acting City Treasurer

February 13, 2006

County Sanitation Districts of Los Angeles County
P.O. Box 4998
Whittier, CA 90607

Attention: Mr. Jaime Badia

Subject: Industrial Waste Discharge Permit for City of Vernon Power Plant

Dear Mr. Badia:

The City of Vernon will be submitting an Application for Certification (AFC) to the California Energy Commission (CEC) for the proposed design and installation of a combined-cycle facility referred to as the Vernon Power Plant (VPP). The City has prepared a preliminary draft industrial wastewater permit application for your consideration. A complete application will be submitted to LACSD at a later date when supporting information is available. The fully completed application packet will include the final construction plans (to be prepared by the design engineer/contractor), including all onsite wastewater collection lines and connection points, and all supporting information. The instructions for applying for an industrial wastewater permit are attached.

In order to facilitate our process through the CEC, please acknowledge receipt of this preliminary application.

We appreciate your assistance to date and look forward to working with LACSD. If you have any questions or require further information with reference to this request please contact me at (323) 583-8811, Extension 834.

Sincerely,

A handwritten signature in black ink, appearing to read "Donal O'Callaghan", written over a horizontal line.

Donal O'Callaghan
Director of Light and Power

DO:rmt

PERMIT FOR INDUSTRIAL WASTEWATER DISCHARGE
SANITATION DISTRICTS OF LOS ANGELES COUNTY
1955 Workman Mill Road / Whittier, CA
Mailing Address: P.O. Box 4998 / Whittier, CA 90607-4998
James F. Stahl, Chief Engineer and General Manager
(562)699-7411 www.lacsd.org

PERMIT NO. _____

CHECK ONE: New Sewer Connection Existing Sewer Connection

Applicant City of Vernon
(Legal Company Name)

Check one and fill in appropriate information

Corporation

Name _____
Year Incorporated _____ State of Incorporation _____ ID# _____

Partnership

Name _____ Partners _____

Sole Proprietor

Name _____ Business Names _____

Company Address 5001 Soto Street Vernon CA 90058
(Street) (City) (State) (Zip)

Mailing Address 4305 Santa Fe Avenue Vernon CA 90058
(Street) (City) (State) (Zip)

Point of Discharge Vernon Extension Trunk and Vernon Extension Trunk Relief Sewers

Number of years applicant has been in business at present location 0 0
(yrs) (months)

Name of Property Owner City of Vernon
Address of Property Owner 4305 Santa Fe Avenue Vernon CA 90058 (323)583-8811
(Street) (City) (State) (Zip) (Telephone Number)

Assessors Map Book No. 6308 Page No. 002 Parcel No. 901
Type of Industry Generation of Electricity 4911
(General Description) (Federal SIC No.)

Number of Employees (Full Time) 21 (est.) (Part Time) _____

Raw Materials Used Natural Gas
(General Description - Add Additional Sheets as Needed)

(Daily Amount Produced)

Products Produced Electricity
(General Description - Add Additional Sheets as Needed)

Net 610 MW
(Daily Amount Produced)

Wastewater Producing Operations Cooling (additional information to be provided)
(Full Description - Add Additional Sheets as Needed)

Time of Discharge 12 AM/PM to 12 AM/PM, Shifts per day 3, Days per week 7

Wastewater Flow Rate 712,800 Gallons per Day 758 Gallons per Minute
(Average) (Peak)

Constituents of Wastewater Discharge Concentrated cooling water from recycled water supply (additional information to be provided)
(General Description - Attach Chemical Analysis Results to the Application)

Person in company responsible for industrial wastewater discharge
Donal O'Callaghan Director of Light and Power (323) 583-8811 x834
(Name) (Position) (Telephone Number)

I affirm that all information furnished is true and correct and that the applicant will comply with the conditions stated on the back of this permit form.

Signature for Applicant  Date 02/15/06
Donal O'Callaghan Director of Light and Power
(Name) (Position)

Approved/Reviewed by City or County Official
Date _____
For L.A. County of Public Works...
City of _____
Name _____
Position _____

Approved by Sanitation Districts of Los Angeles County
Date _____
Expiration Date _____
James F. Stahl, Chief Engineer & General Manager
By _____
Position _____

3. INSTRUCTIONS FOR APPLYING FOR AN INDUSTRIAL WASTEWATER DISCHARGE PERMIT

In order for the Districts to properly evaluate and process an Industrial Wastewater Discharge Permit, it is essential that the applicant provide a complete and adequate permit submittal. The instructions that follow provide a list of the items that must be included in the submittal as well as a summary of current guidelines and policies that must be taken into consideration when preparing the submittal. **The complete permit submittal must then be sent to the local agency** (the local city or the Los Angeles County Department of Public Works) for initial processing prior to Districts' review. Contact the applicable local agency for the appropriate permit processing fee that may be required. A listing of the local agencies is presented in Table 1, and their addresses are shown in Appendix 6.4. County contract cities are those cities which contract with the Los Angeles County Department of Public Works for sewerage services. Companies located within the contract cities or unincorporated areas of the County should send permit submittals to the Los Angeles County Department of Public Works.

The permit submittal can be conceived as being composed of three main parts: 1) i, 2) Plans, and 3) Si^portuigjinformation.

[Click here for a flow chart showing how to determine what type of permit submittal is needed.](#)

3.1 Permit Application Form

All first-time applicants must submit a completed rjejmila^plicjtionform. A company with an existing permit that is proposing modifications which will change the previously approved wastewater discharge by more than 25 percent will be required to apply for a permit revision. A permit revision request must also include a completed permit application form. Proposed modifications which will not change the wastewater quality or the previously approved wastewater quantity by more than 25 percent will be processed as an addendum to the existing permit and will not require a permit application form.

Line-by-Line Instructions for Completing the Permit Application

Line 1: Sewer Connection Category Check the appropriate category. Please indicate whether the proposed discharge is to an existing public sewer connection or if a new industrial wastewater connection is required.

Line 2: Company Name The legal name of the company responsible for the wastewater to be discharged must be indicated on line 2. The contractor, plumber, or consultant must not be listed.

Line 3: Type of Business Entity On line 3 the appropriate box indicating the type of business entity must be checked. If the applicant is a corporation, the legal name of the corporation, year of incorporation, state of incorporation, and

the corporate state identification number must be listed. If the applicant is a partnership, indicate the name of the partnership and list the names of the

individual partners. If the applicant is a sole proprietor, indicate the name of the sole proprietor and also list the names of all the businesses which the sole proprietor operates.

Lines 4 to 6: Company Address and Point of Discharge Provide the situs address of the wastewater-producing facility on line 4. The mailing address of the applicant should be provided on line 5. On line 6, specify the point of connection to the public sewer by using the sewer station number, distance from nearest street intersection, or any other means of identification.

Line 7: Length of Occupancy Indicate the number of years the applicant has been in business at the location indicated on line 4. If the applicant has yet to occupy the facility, please indicate this and continue on to line 8.

Line 8: Property Owner On line 8 indicate the name of the property owner of the location indicated on line 4. Also list the address and phone number where the property owner can be contacted.

Line 9: Assessors Map Book, Page, and Parcel Number This number is the property identification number of the facility producing the wastewater. The property identification number is the same as that used by the County Tax Assessor and should be identical to that shown on the annual property tax bill. These identification numbers consist of a four-digit number followed by two three-digit numbers (for example, 8115-004-906).

Line 10: Type of Industry Give a general description of the type of business the applicant operates. The Federal Standard Industrial Classification (SIC) Number(s) must be provided. This number is obtained from the *Federal Standard Industrial Classification Manual*, which may be found in the offices of your local city, Los Angeles County Department of Public Works, or at the Districts' office.

Line 11: Number of Employees Indicate the total number of full-time and part-time employees.

Lines 12 to 14: Description of Operation Provide a brief description of the types and quantities of the major raw materials used at the facility and of the products produced on lines 12 and 13. On line 14 give a full and detailed description of all the operations that take place at the facility (especially those that generate the wastewater to be discharged). A more complete and comprehensive description of the raw materials, produced products, and process operations may need to be submitted as additional information in an accompanying letter.

Line 15: Time and Days of Discharge and Number of Shifts Per Day Indicate the appropriate time, shifts and days of the proposed wastewater discharge. If the time and days of wastewater discharge do not coincide with the working hours, this must be discussed in an accompanying letter.

Line 16: Wastewater Flow Rate Provide the average industrial wastewater flow rate in gallons per day. For existing facilities, please provide copies of the most recent twelve (12) months of water bills for the facility and complete FormB in Appendix 6.1. The water bills will be used to verify the reported flow rate. Companies that have an approved effluent wastewater flow measurement system must provide totalizer readings for the last twelve (12) months and must indicate the totalizer units (e.g., hundreds of gallons). The peak flow rate (in gallons per minute) must also be provided on line 16. This is the rate at which wastewater is discharged to the public sewer during the single highest 5-minute discharge period. Estimates will be acceptable for new facilities only.

Line 17: Constituents of Wastewater Discharge Give a general description of the materials or chemicals which may be present in the industrial wastewater discharge. For existing facilities, chemical analyses of the wastewater by a State certified or Districts-approved laboratory must be furnished. Such analyses must include values for COD (chemical oxygen demand), SS (suspended solids), pH, and any other chemicals associated with the raw materials used at the facility. New companies which are not yet generating wastewater must submit estimates for these parameters.

Line 18: Industrial Wastewater Contact Print the name, position, and telephone number of a company official who has working knowledge of the operations producing the wastewater, is responsible for the industrial wastewater discharge, and may be contacted for further information. If someone other than the individual listed on line 18 is to be the contact person for permit processing purposes, such as a contractor, plumber or consultant, the permit processing contact person should be specified in an accompanying letter.

Line 19: Signature This permit application form must be signed and dated by a company administrative officer such as the president or vice president of the company. The signature of a contractor, plumber, or consultant will not be acceptable.

Lines 20 and 21: Approval Signatures The local sewerage agency (the local city or the Los Angeles County Department of Public Works) must sign and date the permit application before review and approval by the Districts. The signatures of both the local agency and the Districts are required to establish a valid Industrial Wastewater Discharge Permit.

3.2 Plans

All companies applying for an industrial wastewater discharge permit or amending a current permit must submit adequate plans. An exemption from submitting plans may be allowed if the facility has previously had an Industrial Wastewater Discharge Permit and there are adequate and valid plans on file with the Districts. **This can only be allowed if there have been no changes in the facility, process or pretreatment equipment from that depicted on the previously approved plans.**

The plans submitted must have sufficient quality to reproduce clearly. All drawings submitted must have good contrast, clear background and legible labeling. Moreover,

the drawings shall have minimum dimensions of 11 inches by 17 inches and maximum dimensions of 30 inches by 42 inches.

The number of sets of plans to be submitted depends on the city where the company is located, as shown in Table 1.

TABLE 1 - Number of Sets of Plans Required

Non-Contract Cities (4 sets of plans unless specified otherwise)

Alhambra, Arcadia, Azusa, Baldwin Park, Bell, Beverly Hills, Bradbury, Claremont, Compton, Covina, Downey, El Monte, El Segundo, Glendora, Hawthorne, Hermosa Beach, Huntington Park, Industry (5 sets), Inglewood, Lancaster, Long Beach, Los Angeles, Lynwood, Manhattan Beach, Maywood, Monrovia, Montebello, Palos Verdes Estates, Pasadena, Pomona (5 sets), Redondo Beach, Rolling Hills, San Gabriel, San Marino, Santa Fe Springs (5 sets), Sierra Madre, Signal Hill (5 sets), South El Monte, South Gate, South Pasadena, Torrance, Vernon, West Covina, Whittier

County Contract Cities (6 sets of plans required unless specified otherwise)

Artesia, Bellflower, Bell Gardens, Carson, Cerritos, Commerce, Cudahy, Culver City (7 sets), Diamond Bar, Duarte, Gardena, Hawaiian Gardens, Irwindale, Lakewood, La Mirada, La Puente, La Verne, Lawndale, Lomita, Monterey Park, Norwalk, Palmdale, Paramount, Pico Rivera, Rancho Dominguez, Rancho Palos Verde, Rolling Hills Estates, Rosemead, San Dimas, Santa Clarita, Temple City, Walnut, West Hollywood (7 sets)

Unincorporated County Areas: 6 sets of plans required

Inland Empire Utilities Agency: 5 sets of plans required

A. Required Plans For companies required to submit plans, the following should be provided:

1. Sewerage Plan.

The applicant must provide a wastewater sewerage plan, drawn to scale, that shows sewers and associated facilities for the handling of industrial wastewater from the point of origin to the connection to the public sewer. All processes generating wastewater must be identified and all sewers, floor drains, trenches and sinks must be indicated on the plan. The sewerage plan must also show sanitary lines from restrooms, drinking fountains and other nonindustrial wastewater sources. Finally, the plans must show the location and number of incoming water meters in the facility. It is a Districts' requirement that all sanitary lines at a facility must be kept separate from industrial process flows until after the industrial wastewater has passed through all pretreatment facilities, monitoring devices and flow measuring systems. An example of a sewerage plan is presented below in Figure 1.

Figure 1: Sample Sewerage Plan

2. Plot Plan

A plot plan of company property, drawn to scale, showing adjacent named streets and a properly oriented north arrow must be provided. The method of disposal of rainwater runoff should be stated and shown in the plan. Grading, drainage or direction of storm runoff must be shown. Plant sewer lines and the connection to the public sewer should also be included. A sample plot plan is shown below in Figure 2.

Figure 2: Sample Plot Plan

3. Plans of Pretreatment and Monitoring Facilities.

Detailed plans of all wastewater pretreatment and monitoring facilities must be furnished. These should include plan and section views of the pretreatment system, design data, catalog cuts, and sizes of tanks, reactors and other equipment involved. A flow schematic must also be submitted for pretreatment systems with more than one unit process. A sample pretreatment system diagram is shown below in Figure 3.

Figure 3: Sample Pretreatment System P&I Diagram

The Districts require pretreatment systems to be designed to consistently remove the types of pollutants generated by the company's wastewater-producing operations to levels which meet any applicable federal or local limitations. For most industrial facilities, the minimum required pretreatment consists of a three-compartment, gravity separation interceptor (clarifler) and a sampling box. The interceptor must provide at least 30 minutes of detention time based on the peak wastewater discharge rate and have a minimum capacity of 500 gallons. It must be properly baffled to prevent sand, grit, oil and grease from entering the sewer. The sampling box must be suitable for obtaining grab or continuous wastewater samples. It must be located downstream of all sources of industrial wastewater and of any pretreatment equipment, and must not collect any sanitary wastes. In addition, the sampling box must be located in a secure area of the facility, away from traffic and production activity. Finally, each permitted industrial sewer outfall may only have one sampling box, except as required by federal regulations. Both the interceptor and the sampling box must be constructed with a structurally sound material. It is the permittee's responsibility to adopt the proper precautions (e.g., double containment, coating, etc.) to prevent the contamination of the surrounding soil or groundwater. Copies of the County Engineer Standards for interceptor and sampling box are shown in [Appendix 6.2](#) and [Appendix 6.3](#).

Additional required pretreatment facilities may include pH neutralization, clarification, flocculation, dewatering, or other more extensive facilities. Any pretreatment systems judged by the Districts to require engineering design shall have plans prepared, stamped and signed by an engineer of suitable discipline registered in the State of California.

B. Additional Plans

Whenever applicable, additional plans must be provided according to the following specific policies and guidelines:

1. Spill Containment Systems.

Companies that store or use cyanide, heavy metals, acids, toxic organics and/or flammable substances may be required to install spill containment systems as required in the Districts' Spill Containment Guidelines. Such dischargers must provide spill containment systems for all applicable tanks to prevent toxic materials from entering the sewer. The applicant must submit plans and calculations (refer to Form C in Appendix 6.1) that indicate the means of preventing the discharge of toxic materials to the sewer in the event of failure, leakage or accidental overflow of storage or treatment tanks or process equipment. The plans must show plan and elevation views of the spill containment system specifying the dimensions and height of all diking, the volume and contents of the tanks enclosed, and the location of all floor drains, wastewater piping, interceptors or any other wastewater pretreatment facilities. Diked volume must exceed the volume of the largest enclosed tank plus six inches of rainfall (if the area is outdoors). Contact the Districts' Industrial Waste Section for the complete Spill Containment Guidelines.

2. Flow Measurement Systems.

The Districts require companies having a total discharge of 50,000 gallons or more per day or a peak flow over 100 gallons per minute to install, calibrate and maintain flow measurement systems that are capable of continuously recording effluent flow rates. Companies that have unmetered sources of water supply, excessive/undocumented non-sewered losses, or highly fluctuating wastewater discharge flows may also be required to install flow measurement systems.

The flow measurement system should be an open-channel design (e.g. flume, weir, etc.). Closed-pipe flow measurement systems (e.g. turbine, magnetic, etc.) will only be accepted if an open-channel flow measurement system is physically impractical to install and if an open-channel primary element, or another primary element accepted by the Districts, is also installed as a back-up device.

The flow measurement system may also serve as a suitable wastewater sampling point provided it is located downstream from all pretreatment operations. The system should be installed in a secure area of the facility away from traffic and production activity, and as close as possible to the public sewer.

Plans for flow measurement systems are required to be prepared and signed by an engineer of suitable discipline licensed by the state of California. Full instructions regarding flow measurement systems can be found in the Districts' Industrial Wastewater Flow Measurement Requirements policy.

3. Rainwater Management.

Discharge of rainwater to the Districts' sewerage system is prohibited without prior approval. The Districts require that all processing areas be properly roofed and graded to prevent any storm runoff from entering into the public sewer. The Districts may accept the installation of automatic rainwater diversion systems in situations where the company proves that it is unfeasible to roof or completely segregate from the sewerage system an area exposed to rainwater intrusion. The applicant must provide a detailed grading plan that shows the direction of storm runoff and the system that will divert rainwater from the sewerage system after 0.1 inch of rainfall. Plan and section views must indicate the specifications of the rainwater diversion device, and of the pumps, sumps and piping involved in diverting rainwater away from the sewerage system. Full instructions regarding the discharge of rainwater to the sewerage system can be found in the Districts' Guidelines for the Discharge of Rainwater, Stormwater, Groundwater, and other Water Discharges.

4. Combustible Gas Monitoring Systems.

Industries which are considered to be significant potential dischargers of flammable substances are required to install, operate and maintain an adequate combustible gas monitoring system. This requirement applies to:

- a. All petroleum refineries;
- b. Gasoline storage/transfer facilities, chemical manufacturing plants, and oil and gas extraction facilities having industrial wastewater discharges of 25,000 gallons or more on any one day; and
- c. Any other facility that, upon evaluation with respect to wastewater-producing operations, discharge flow volume, type and quantity of materials being used, stored, or produced, is determined to be a potential discharger of flammable substances.

These industries must submit drawings of the combustible gas monitoring system for the Districts' review prior to installation. The drawings shall show locations, dimensions and specifications of the detector/sensor head assembly and control unit, details of both the upstream and downstream piping, the means of diverting the flow to an appropriate storage facility, and the capacity of the storage system. Manufacturer's catalog cuts, specifications and data sheets shall also be included with the required drawings. Complete information regarding combustible gas monitoring systems is found in the Districts' Combustible Gas Monitoring System Guidelines.

3.3 Supporting Information

In order to facilitate the permit review process, the applicant must furnish additional information to supplement the application and plans submitted. As **a minimum, all submittals must include items A through D (as described below)**. It is the applicant's responsibility to determine what other supporting information must be provided (refer to items E through N).

A. Applicant's Questionnaire (Form A)

All submittals must include the questionnaire in Appendix JLL (Form A). This questionnaire requests specific information that will be essential in the evaluation of the submittal. The questionnaire will also aid the applicant in determining all the supporting information that needs to be included with the submittal.

B. Estimation of Industrial Wastewater Discharge Flow (Form B)

The industrial wastewater discharge flow rate listed on the permit application must be estimated as accurately as possible. All existing companies must complete and submit the "Calculation of Industrial Wastewater Discharge Flow Rate Form" (Form B) in Appendix 6.1. Companies not yet in operation must submit supporting information that justifies the industrial wastewater discharge flow rate listed on the permit application.

C. Tank Schedule and Spill Containment Calculations (Form C)

The applicant must complete and submit the tank schedule form in Appendix 6.1 (Form C) to describe the contents, dimensions and specifications of all tanks used in the process and pretreatment areas. Each tank must be numbered to correspond with the tanks shown on the plans. The applicant must also include detailed calculations that indicate that adequate spill containment is provided for those tanks that contain liquid solutions of acids, cyanide, heavy metals, and other restricted materials. The containment system must have enough capacity to contain the largest tank plus six (6) inches of rain (in the event that the containment system is located outdoors). Finally, the spill containment system must not have valves, gates or openings of any kind.

D. Check List (Form D)

The applicant must complete and submit the check list (Form D) in Appendix 6.1. The check list will help both the applicant and the Districts determine the completeness of the Industrial Wastewater Discharge Permit submittal.

E. Waste Minimization Plan

- i) Any permittee required to prepare a Source Reduction Plan (Plan) and Hazardous Waste Source Reduction and Management Report (Report) under the Hazardous Waste Source Reduction and Management Review Act of 1989 (SB 14), [Article 11.9 of Chapter 6.5 of Division 20 of the Health and Safety Code, commencing with section 25244.12. Title 22, Chapter 30, Article 6.1 of the California Code of Regulations] is required to submit the Plan and Report and corresponding Summaries to the Districts with its permit submittal.
- ii) Any permittee who must notify the Districts of any sewer discharge of substances designated as hazardous waste according to Title 40, Code of Federal Regulations, Part 261 (see Item N of this section). The notification includes a certification that the company has a waste minimization program in place. A written narrative of the program currently in place at the facility must be submitted with the permit package. The program must include at a minimum a description of the processes at the facility which generate waste, the types of wastes generated, and the source reductions implemented for these waste

streams. If the permittee is already submitting SB 14 report, this would suffice for waste minimization plan discussed here. Notification, however, will still be required.

iii) If the permittee is not subject to either of the above requirements, the attached Applicant Questionnaire must still be completed and submitted with the permit application.

F. Process Description

A detailed description of all manufacturing and pretreatment operations must be provided to sustain the information listed on the permit application. This description should specify the types and quantities raw materials used in each operation as well as the sequence of steps followed during wastewater producing and pretreatment operations.

G. Material Safety Data Sheets

Material safety data sheets must be provided for all chemicals used in the facility, especially those chemicals that may contaminate directly or indirectly the wastewater stream.

H. Wastewater Analysis

Existing facilities must submit a minimum of two (2) wastewater analyses with the permit submittal. The analyses should include conventional pollutants such as chemical oxygen demand, suspended solids, total dissolved solids, pH, and toxic pollutants that may be present in the wastewater (e.g. heavy metals and organics). Chemical oxygen demand, suspended and dissolved solids, and heavy metals must be analyzed using 24-hour time composite or flow composite samples, while cyanide, sulfides, oil and grease, and organic pollutants must be analyzed using grab samples. Estimated concentration will only be allowed for those companies not yet in operation.

I. Baseline Monitoring Report

All companies believed to be subject to EPA industrial categorical regulations are required to submit a Baseline Monitoring Report (BMR) for every industrial waste discharge connection to the public sewer. The purpose of the BMR is to indicate a company's compliance status with respect to EPA's regulatory requirements. The BMR must be completed and included in the permit submittal. Existing facilities required to supply wastewater analyses as part of the BMR submittal must submit one representative sample analysis of the wastewater effluent for all the parameters regulated by the category. Representative samples are 24-hour composite samples. For unstable parameters such as pH, cyanide, oil and grease, volatile organics, phenols, and sulfides, a minimum of four grab samples must be collected over a 24-hour period. The average of the grab sample analyses is considered representative. The applicant must also submit at least one 24-hour flow-composite or time-composite analysis for all other regulated pollutants. The applicant should refer to Section 2.1 to check whether or not the company falls under any of the categories set by the EPA. The applicant can obtain additional information and BMR forms by calling the District's Industrial Waste Section.

J. Pump Curves

The applicant must provide characteristic rating curves for all pumps conveying wastewater in the facility.

K. Catalog Cuts

Manufacturer's data and brochures of specific pretreatment units, flow measurement systems, pumps and other equipment must be furnished.

L. Baseline Credit Information

The Districts' Connection Fee Ordinances were developed to recover the costs of constructing new capital facilities needed to accommodate the added burden of new and expanded wastewater dischargers on the various sewer systems. As part of this program, capacity unit entitlements have been established to quantify such added wastewater burdens.

The Industrial Wastewater Discharge Permit approval process evaluates the demand the company's wastewater places on the Districts' sewer system for the facility in question (refer to Section 1.4 and Section 4.2B). A connection fee is due if the company's wastewater discharge exceeds their baseline credit at the site by more than 25 percent. The baseline credit is usually established from a previous industrial wastewater discharger at the site. However, companies that occupy a facility with no previous industrial wastewater discharge may still be entitled to receive a baseline credit. Industrial wastewater dischargers in existence prior to June 30, 1982 may receive credit for the site in question, provided that they submit twelve consecutive months of water bills for any period from July 1, 1976 to June 30, 1982. Corresponding evaporative and consumptive loss calculations should also be provided. If water bills cannot be obtained, the industrial wastewater discharger may receive credit based on the building's square footage by providing such information as a property tax statement, a rental agreement, or other legal document.

M. Equipment Costs

The applicant must provide itemized cost estimates of all proposed pretreatment equipment, monitoring system, spill containment system and any other equipment used to treat, monitor, convey or contain the industrial wastewater discharge.

N. Notification Report of the Discharge of Hazardous Wastes

If the wastewater discharged by your facilities to the sewer is hazardous under federal regulation (40 CFR Parts 261.20-261.33), you are required to notify the Districts of this discharge of federally regulated hazardous waste to the sewer. Please request the *Notification Report of the Discharge of Hazardous Wastes* form from the Districts by calling (562) 699-7411, extension 2900.

The Notification Report must include the name of the hazardous waste, the EPA hazardous Waste Number, and the type of discharge (continuous, batch or others). The Notification Report shall also include the estimated concentrations of hazardous constituents and the monthly mass discharges of these constituents, to the extent that

the information is known and available to you. You must also certify that you have a program in place to reduce the volume and toxicity of hazardous wastes generated to the degree you have determined to be economically practical. The Notification Report must also be signed by a responsible company official.

A new Notification Report must be filed if there is any substantial change in the volume or character of the hazardous wastes present in your discharge and if there are new regulations promulgated which identify additional wastes in your discharge as hazardous.