SCRAP METAL PERMIT TRAINING

SECTOR-SPECIFIC GENERAL PERMIT FOR STORM WATER RUNOFF ASSOCIATED WITH INDUSTRIAL ACTIVITIES FROM SCRAP METAL RECYCLING FACILITIES WITHIN THE SANTA ANA REGION (ORDER NO. R8-2018-0069)

CHRISTINE SILKEN
MICHELLE BECKWITH
SANTA ANA REGIONAL WATER QUALITY CONTROL BOARD
PLEASE SILENCE YOUR ELECTRONIC DEVICES
TODAY’S AGENDA

• Lyris List Instructions
• Introduction
• Significant Modifications
• Permit Elements
• SMARTS

• Lunch Break

• Exam
LYRIS LIST INSTRUCTIONS

https://www.waterboards.ca.gov/resources/email_subscriptions/reg8_subscribe.html
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<tr>
<th>Choose one or more email lists:</th>
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<tr>
<td>□ Agricultural Waiver Program</td>
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<td>□ Basin Planning</td>
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<td>□ Board Meetings</td>
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<td>□ Desalination Facility</td>
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<td>□ Storm Water – Orange County Municipal</td>
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<td>□ Storm Water – Riverside County Municipal</td>
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<td>□ Storm Water – San Bernardino County Municipal</td>
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<td>□ Storm Water – Scrap Metal Permit</td>
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<tr>
<td>□ TMDL Newport Bay Copper - Metals</td>
</tr>
<tr>
<td>□ TMDL Orange County</td>
</tr>
<tr>
<td>□ TMDL Riverside and San Bernardino Counties</td>
</tr>
</tbody>
</table>
INTRODUCTION

• Adoption Date: October 19, 2018
• Effective Date: December 19, 2018

Facilities must recertify under 2018 Scrap Metal Permit (SMP) by December 19th
SIGNIFICANT MODIFICATIONS

• Volume Reduction Best Management Practice (BMP) Documentation:
  - Dischargers who implement volume reduction BMPs shall update their SWPPP and identify the credit percentage.

• Revision of Low Impact Development (LID) BMP Sampling Protocols:
  - Dischargers who implement LID BMPs are to collect samples before and after the storm water comes in contact with the LID BMPs.
  - Dischargers who appropriately implement percolation or other infiltration LID-type BMPs are required to collect samples prior to the storm water entering the LID BMPs.

• Scrap Metal – Qualified SWPPP Practitioner (SM-QSP) Designee Status Removal:
  - Dischargers are no longer authorized to designate an individual at their facility to conduct SM-QSP responsibilities.
SIGNIFICANT MODIFICATIONS (CONT)

• Group Monitoring Program Removal:
  - The Group Monitoring element has been removed from the permit.

• Storm Event Sampling Protocols:
  - Dischargers shall collect and analyze storm water samples from two qualifying storm events from July 1 to December 31 and two qualifying storm events from January 1 to June 30.

• Constituent Removal:
  - Table 2: Flow, Silver, Arsenic, and Toxicity

• Quality Assurance Program Plan (QAPP):
  - QAPP elements merged into the Monitoring and Reporting Program (MRP)
SIGNIFICANT MODIFICATIONS (CONT)

• Existing TMDLs and 303(d) listed Waterbodies (Attachment B):
  - Lists the impaired waterbodies and TMDL boundaries applicable to Scrap Metal Permit facilities.

• Terminology Updates:
  - Advanced Media Filtration
  - Advanced Treatment
  - Qualified SWPPP Developer
  - Scrap Metal Qualified SWPPP Developer (SM-QSD)
  - Qualified SWPPP Practitioner
  - Scrap Metal Qualified SWPPP Practitioner (SM-QSP)
TRAINING & QUALIFICATION Req’S

Please note!

Current Scrap Metal Qualified SWPPP Developers and Scrap Metal Qualified SWPPP Practitioners MUST retake the applicable certification exam regardless of when they originally became certified.

SM-QSD: Develop a Storm Water Pollution Prevention Plan
SM-QSP: Implement the Storm Water Pollution Prevention Plan Plan
Certified Person: Collects and handles storm water samples
**SCRAP METAL PERMIT ELEMENTS**

Authorized Non-Storm Water Discharges:
- Uncontaminated condensate from refrigeration units, air conditioning, or compressor units
- Landscape irrigation
- Emergency fire fighting flows

***All are authorized as long as the flow does not collect pollutants prior to the discharge leaving the facility.***
SCRAP METAL PERMIT ELEMENTS (CONT)

Storm Water Pollution Prevention Plan (SWPPP)

• Facility Information:
  - Include relevant facility information.
  - Ensure to identify the SM-QSD and SM-QSP along with their certification numbers.

• Preventative Measures:
  - Document all preventative measures including but not limited to LID BMPs and volume reduction BMPs (including credits).
  - Develop and implement a Rain Event Action Plan (REAP).
  - Employee training within 30 days of employment and at least annually.
Scrap Metal Permit Elements (Cont)

Storm Water Pollution Prevention Plan (SWPPP)

Volume Reduction BMP and Credits Example:

• A non-polluting roof covers 25% of outdoor industrial activities

  ➢ Numeric Action Level for Chemical Oxygen Demand: 120 mg/L
  ➢ Facility's annual average for Chemical Oxygen Demand: 106.9 mg/L

  ➢ 25% credit: 106.9 mg/L x 0.25 = 26.6 mg/L
  ➢ 106.9 mg/L – 26.6 mg/L = 80.2 mg/L

  ➢ Facility’s annual average with credit applied: 80.2 mg/L
  ➢ 80.2 mg/L < 120 mg/L
Scrap Metal Permit Elements (Cont)

Storm Water Pollution Prevention Plan (SWPPP)

- Mitigative Measures:
  - Document all mitigative measures.

- Site Map:
  - Including but not limited to facility boundaries, storm water drainage areas, collection and conveyance systems, discharge points, etc.
Scrap Metal Permit Elements (Cont)

Storm Water Pollution Prevention Plan (SWPPP)

• 303(d) Listed Waterbodies and TMDL Assessment:
  - Attachment B
  - Must identify specific control measures for the 303(d) listed and/or TMDL pollutant.
### Scrap Metal Permit Elements (Cont)

#### 303(d) Listed Waterbody and TMDL Assessment

<table>
<thead>
<tr>
<th>TMDL</th>
<th>Impaired Waterbody/Watershed</th>
<th>Pollutants</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>San Diego Creek (freshwater)</td>
<td>Cadmium Copper</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lead Zinc</td>
</tr>
<tr>
<td></td>
<td>Upper Newport Bay (saltwater)</td>
<td>Cadmium Copper</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lead Zinc</td>
</tr>
<tr>
<td></td>
<td>Lower Newport Bay (saltwater)</td>
<td>Copper Lead Zinc</td>
</tr>
<tr>
<td></td>
<td>Rhine Channel area of Lower Newport Bay (saltwater)</td>
<td>Chromium Mercury</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Copper Lead Zinc</td>
</tr>
</tbody>
</table>
SCRAP METAL PERMIT ELEMENTS (CONT)

303(d) Listed Waterbody and TMDL Assessment

Figure 1: San Diego Creek and Newport Bay Toxics TMDL
Scrap Metal Permit Elements (Cont)

Storm Water Pollution Prevention Plan (SWPPP)

• Monitoring and Reporting Program:
  - Including but not limited to a Quality Assurance Program Plan (QAPP)
  - QAPP must be consistent with SWAMP guidelines.
<table>
<thead>
<tr>
<th>Compliance Option 1</th>
<th>Compliance Option 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Phased approach</td>
<td>• Non-Phased approach</td>
</tr>
<tr>
<td>• Comply with Numeric Action Levels (NALs)</td>
<td>• Comply with facility-specific Numeric Effluent Limits (NELs)</td>
</tr>
<tr>
<td>• Table 1a</td>
<td>- Must provide Regional Board with receiving water hardness data</td>
</tr>
<tr>
<td></td>
<td>• Table 1b</td>
</tr>
</tbody>
</table>
**Scraps Metal Permit Elements (Cont)**

Compliance Option 1

Table 1a: Numeric Action Levels (NALs)

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Units</th>
<th>Action Level (Annual Average)</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>pH Units</td>
<td>&lt; 6.5 or &gt; 8.5</td>
</tr>
<tr>
<td>Turbidity</td>
<td>NTU</td>
<td>250</td>
</tr>
<tr>
<td>Specific Conductance</td>
<td>μmhos/cm or μsiemen/cm</td>
<td>2000</td>
</tr>
<tr>
<td>Oil and Grease</td>
<td>milligrams/liter</td>
<td>15</td>
</tr>
<tr>
<td>Zinc (total recoverable)</td>
<td>micrograms/liter</td>
<td>160</td>
</tr>
<tr>
<td>Lead (total recoverable)</td>
<td>micrograms/liter</td>
<td>122</td>
</tr>
<tr>
<td>Aluminum (total recoverable)</td>
<td>micrograms/liter</td>
<td>750</td>
</tr>
<tr>
<td>Copper (total recoverable)</td>
<td>micrograms/liter</td>
<td>18.9</td>
</tr>
<tr>
<td>Iron (total recoverable)</td>
<td>micrograms/liter</td>
<td>1000</td>
</tr>
<tr>
<td>Chemical Oxygen Demand</td>
<td>milligrams/liter</td>
<td>120</td>
</tr>
</tbody>
</table>
SCRAP METAL PERMIT ELEMENTS (CONT)

Compliance Option 1 Triggers

• If a single sample exceeds the NAL by two times the specified Permit limit (except pH), it is considered an exceedance.

• If the pH value is less than 6.5 or more than 8.5, it is considered an exceedance.

• If the annual average (geometric mean except for pH) of a constituent exceeds the NAL, it is considered an exceedance.

• Exceedances trigger additional steps.
Compliance Option 1 Phase Advancement (Phase I to II)

• Evaluate the monitoring results from July 1\textsuperscript{st} through June 30\textsuperscript{th}.

• If there was an exceedance (annual or twice the NAL):
  - Immediately reassess Phase I BMPs to identify the sources of the exceedances.
  - Determine if additional BMPs, volume reduction BMPs, or treatment controls are necessary to address the pollutant source.
SCRAP METAL PERMIT ELEMENTS (CONT)

Compliance Option 1 Phase Advancement (Phase I to II)

• Within 30 days of the Phase I exceedance determination:
  - Develop and submit a Phase II Corrective Action Plan (CAP) for Regional Board approval.
  - The CAP shall identify the source of the exceedance, proposed control measures, and expected discharge quality once the plan is implemented.
  - The facility may need to consider advanced treatment.

• Within 90 days of approval of the CAP, the permittee must implement the CAP.
SCRAP METAL PERMIT ELEMENTS (CONT)

Compliance Option 1 Phase Advancement (Phase II to III)

• Evaluate the monitoring results from July 1\textsuperscript{st} through June 30\textsuperscript{th}.

• If there was an exceedance (annual or twice the NAL):
  - Immediately reassess Phase II BMPs to identify the sources of the exceedances.
Compliance Option 1 Phase Advancement (Phase II to III)

- Within 30 days of the Phase II exceedance determination:
  - Develop and submit a Phase III Corrective Action Plan (CAP) for Regional Board approval.
  - The CAP shall include an evaluation of existing treatment controls and O&M procedures.
  - The CAP shall also include additional reasonable source control measures.

- If the NALs are still exceeded after a Phase III CAP has been approved and implemented, the discharger is required to reevaluate the CAP and propose modifications to the plan which requires additional approval.
SCRAP METAL PERMIT ELEMENTS (CONT)

Compliance Option 2

• Dischargers who comply with Option 2 are required to submit receiving water hardness data.

• Based on the hardness data, Regional Board staff will determine facility-specific NELs.

• Exceedances of NELs is a violation of the Scrap Metal Permit.
Monitoring and Reporting Program (MRP)

• Each facility shall develop and implement a MRP which is incorporated into the SWPPP.

• The MRP shall be in compliance with the SWAMP Quality Assurance Program Plan (QAPP).

• MRP shall consist of:
  • Preparation of sampling
  • Conduct sampling
  • Evaluation of sample results
  • Recordkeeping and reporting
Monitoring and Reporting Program (MRP)

- Visual Inspections:
  - Each month the SM-QSP shall conduct visual inspections of the industrial areas of the permitted facility and record the findings.
  - Must be conducted at least 15 days apart.
SCRAP METAL PERMIT ELEMENTS (CONT)

Monitoring and Reporting Program (MRP)

• Runoff Sampling and Analysis:
  - Collect at least four samples of runoff per year from qualifying storm events from each discharge point.
  - Samples to be collected from two qualifying storm events between July 1 and December 31 and from two qualifying storm events between January 1 and June 30.
  - Samples shall be collected at the end of the storm water conveyance system before it comingles with other flows.
  - Certified Person to collect and handle the samples.
    - A SM-QSP or SM-QSD with appropriate training and approval from the Executive Officer could also be considered as a Certified Person.
Monitoring and Reporting Program (MRP)

- **Runoff Sampling and Analysis:**
  - Dischargers who implement LID BMPs are to collect samples before and after the storm water comes in contact with the LID BMPs.
  - Dischargers who appropriately implement percolation or other infiltration LID-type BMPs are required to collect samples prior to the storm water entering the LID BMPs.

- **Recordkeeping:**
  - Maintain paper or electronic copy of all storm water information for at least five years.
Monitoring and Reporting Program (MRP)

• Runoff Sampling and Analysis:
  - Field Measurements:
    - pH
    - Turbidity
    - Specific Conductance
  via calibrated portable instrument
  - Analyze all other constituents in Table 2 via an ELAP certified lab.

https://www.waterboards.ca.gov/drinking_water/certlic/labs/
### Table 2

<table>
<thead>
<tr>
<th>Constituents</th>
<th>Units</th>
<th>Type of Sample</th>
<th>Frequency</th>
<th>Analyzing Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>pH Units</td>
<td>Grab</td>
<td>4 times/year</td>
<td>Field</td>
</tr>
<tr>
<td>Turbidity</td>
<td>NTUs</td>
<td>Grab</td>
<td>4 times/year</td>
<td>Field</td>
</tr>
<tr>
<td>Specific Conductance</td>
<td>µmhos/cm</td>
<td>Grab</td>
<td>4 times/year</td>
<td>Field</td>
</tr>
<tr>
<td>Oil and Grease</td>
<td>mg/L</td>
<td>Grab</td>
<td>4 times/year</td>
<td>Laboratory</td>
</tr>
<tr>
<td>Total Petroleum Hydrocarbons</td>
<td>mg/L</td>
<td>Grab</td>
<td>4 times/year</td>
<td>Laboratory</td>
</tr>
<tr>
<td>Zinc (total recoverable)</td>
<td>ug/L</td>
<td>Grab</td>
<td>4 times/year</td>
<td>Laboratory</td>
</tr>
<tr>
<td>Lead (total recoverable)</td>
<td>ug/L</td>
<td>Grab</td>
<td>4 times/year</td>
<td>Laboratory</td>
</tr>
<tr>
<td>Aluminum (total recoverable)</td>
<td>ug/L</td>
<td>Grab</td>
<td>4 times/year</td>
<td>Laboratory</td>
</tr>
<tr>
<td>Copper (total recoverable)</td>
<td>ug/L</td>
<td>Grab</td>
<td>4 times/year</td>
<td>Laboratory</td>
</tr>
<tr>
<td>Iron (total recoverable)</td>
<td>ug/L</td>
<td>Grab</td>
<td>4 times/year</td>
<td>Laboratory</td>
</tr>
<tr>
<td>Cadmium (total recoverable)</td>
<td>ug/L</td>
<td>Grab</td>
<td>4 times/year</td>
<td>Laboratory</td>
</tr>
<tr>
<td>Nickel (total recoverable)</td>
<td>ug/L</td>
<td>Grab</td>
<td>4 times/year</td>
<td>Laboratory</td>
</tr>
<tr>
<td>Chemical Oxygen Demand</td>
<td>mg/L</td>
<td>Grab</td>
<td>4 times/year</td>
<td>Laboratory</td>
</tr>
<tr>
<td>PCBs</td>
<td>ug/L</td>
<td>Grab</td>
<td>1st year after permit adoption (first storm sample)</td>
<td>Laboratory</td>
</tr>
</tbody>
</table>

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**Note:** For PCBs, the frequency is specified as the first year after permit adoption, with the specific sample type or method indicated as the first storm sample.
### Scrap Metal Permit Elements (Cont)

#### Table 3

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Units</th>
<th>Test Method</th>
<th>Minimum Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>pH Units</td>
<td>EPA 9040/SM 4500H or field test with a calibrated portable instrument</td>
<td>±0.1</td>
</tr>
<tr>
<td>Turbidity</td>
<td>NTUs</td>
<td>EPA 180.1/SM 2130B or field test with a calibrated portable instrument</td>
<td>0.5</td>
</tr>
<tr>
<td>Specific Conductance</td>
<td>µmhos/cm</td>
<td>EPA 120.1/SM 2510-B or field test with calibrated portable instrument</td>
<td>1.0</td>
</tr>
<tr>
<td>Oil and Grease</td>
<td>mg/L</td>
<td>EPA 1664-HEM</td>
<td>5.0</td>
</tr>
<tr>
<td>Total Petroleum Hydrocarbons</td>
<td>mg/L</td>
<td>EPA 1664-SGT-HEM or 8015B</td>
<td>5.0</td>
</tr>
<tr>
<td>Zinc (total recoverable)</td>
<td>ug/L</td>
<td>EPA 200.8</td>
<td>5.0</td>
</tr>
<tr>
<td>Lead (total recoverable)</td>
<td>ug/L</td>
<td>EPA 200.8</td>
<td>1.0</td>
</tr>
<tr>
<td>Aluminum (total recoverable)</td>
<td>ug/L</td>
<td>EPA 200.8</td>
<td>1.0</td>
</tr>
<tr>
<td>Copper (total recoverable)</td>
<td>ug/L</td>
<td>EPA 200.8</td>
<td>1.0</td>
</tr>
<tr>
<td>Iron (total recoverable)</td>
<td>ug/L</td>
<td>EPA 200.8</td>
<td>1.0</td>
</tr>
<tr>
<td>Cadmium (total recoverable)</td>
<td>ug/L</td>
<td>EPA 200.8</td>
<td>1.0</td>
</tr>
<tr>
<td>Nickel (total recoverable)</td>
<td>ug/L</td>
<td>EPA 200.8</td>
<td>1.0</td>
</tr>
<tr>
<td>Chemical Oxygen Demand</td>
<td>mg/L</td>
<td>SM 5220C or SM 5220D</td>
<td>10.0</td>
</tr>
<tr>
<td>PCBs</td>
<td>ug/L</td>
<td>EPA 608</td>
<td>0.5</td>
</tr>
</tbody>
</table>
Single Discharge Points

• For pH, calculate the arithmetic mean.

• For all other parameters, calculate the geometric mean of each parameter.
Results Analysis Example – Arithmetic Mean (pH)

• Add the sample results and divide by the number of sampled storm events:

\[
\frac{6.4 + 6.9 + 6.8 + 6.6}{4} = 6.675
\]
Results Analysis Example – Geometric Mean

• Multiply sample results and apply root of the number of sampled storm events:

\[ \sqrt[4]{95 \times 90 \times 180 \times 85} = 106.9 \]
\[ (95 \times 90 \times 180 \times 85)^{\frac{1}{4}} = 106.9 \]
Multiple Discharge Points

Use the relative tributary area for each discharge point to determine the area-weighted averages of arithmetic mean (pH only) or geometric means for multiple discharge points.

- Determine the number of points where surface flows leave the site.
- If there are multiple points, determine the areas that drain to each point.
- Determine the percent of the site each area covers.
- Multiply the percentage determined by the arithmetic mean (pH) or geometric means of the appropriate discharge point.
SCRAP METAL PERMIT ELEMENTS (CONT)
SCRAP METAL PERMIT ELEMENTS (CONT)
## Scrap Metal Permit Elements (Cont)

### Multiple Discharge Points

<table>
<thead>
<tr>
<th></th>
<th>Discharge Point 1</th>
<th>Discharge Point 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Relative Tributary Area</strong></td>
<td>30%</td>
<td>70%</td>
</tr>
<tr>
<td>Analysis Results from Sample 1</td>
<td>95 mg/L</td>
<td>103 mg/L</td>
</tr>
<tr>
<td>Analysis Results from Sample 2</td>
<td>90 mg/L</td>
<td>117 mg/L</td>
</tr>
<tr>
<td>Analysis Results from Sample 3</td>
<td>180 mg/L</td>
<td>98 mg/L</td>
</tr>
<tr>
<td>Analysis Results from Sample 4</td>
<td>85 mg/L</td>
<td>106 mg/L</td>
</tr>
<tr>
<td><strong>Annual Average</strong></td>
<td>106.9 mg/L</td>
<td>105.8 mg/L</td>
</tr>
<tr>
<td><strong>Annual Weighted Average</strong></td>
<td>106.9 x 0.30 = 32.07</td>
<td>105.8 x 0.70 = 74.06</td>
</tr>
</tbody>
</table>
SCRAP METAL PERMIT ELEMENTS (CONT)

Multiple Discharge Points

Combined Area-Weighted Annual Average:

32.07 mg/L + 74.06 mg/L = 106.13 mg/L
Annual Report

• Submit via SMARTS by August 1 of each year.
• Summarize evaluation of all sampling and analysis results, including monthly visual observations.
• Identify all additional BMPs or other corrective action methods implemented at the facility.
• Summarize all compliance activities, including any new or proposed treatment controls.
SMARTS

Stormwater Multiple Application and Report Tracking System
SMARTS (CONT)

Legally Responsible Person (LRP):
- A responsible corporate officer in charge of principal business functions.
- Certifies and submit Permit Registration Documents (PRDs) via SMARTS.
- Only person authorized to recertify permit coverage.

Duly Authorized Representative (DAR):
- A person who has responsibility over the overall operation of the regulated facility such as a manager, EH&S, operator.
- Can certify and submit information (except PRDs).

Data Entry Person (DEP):
- Designated by the LRP to enter information but cannot certify the information.
Recertification:

LRP must log into SMARTS using their own username and password.
Select Program to Access
- Construction General Permit
- Industrial General Permit
- Municipal Phase I Permit
- Municipal Phase II Permit
- Caltrans MS4 Permit
- Documents Ready for Certification
- Reports
- Manage Linked Users
- Outstanding Invoices
- Replace LRP
- Recertification
- Update User Profile
- Public Search Menu

Recertification Menu
Select the appropriate Storm Water Program to recertify the application

- Industrial
- Construction
- Municipal (coming soon)

Back to Main Menu
Recertification

- SM-QSD
- Option 1 or Option 2
- TMDL Determination
- Upload revised SWPPP (and site map)

**COMPLETE RECERTIFICATION PROCESS BY DECEMBER 19th**
SMARTS (CONT)

Ad Hoc Reports:
• Submit Ad Hoc reports no later than 30 days from receiving the laboratory reports.

Annual Report:
• Due by August 1st of each year
SIGNIFICANT MODIFICATIONS (RECAP)

- Volume Reduction BMP Documentation
- Revision of LID BMP Sampling Protocols
- SM-QSP Designee Status Removal
- Group Monitoring Program Removal
- Storm Water Sampling Protocols
- Constituent Removal
- Quality Assurance Program Plan
- Terminology Updates
- 303(d) Listed Waterbodies & TMDL Boundaries (Attachment B)
## Training and Exam Sessions

<table>
<thead>
<tr>
<th>Location</th>
<th>Date</th>
<th>Training Session</th>
<th>Exam Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>City Council Chamber</td>
<td>10/30/2018</td>
<td>9:30am – 11am</td>
<td>12pm – 3pm</td>
</tr>
<tr>
<td>5275 Orange Avenue Cypress, CA 90630</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Council Chambers</td>
<td>11/5/2018</td>
<td>9:30am – 11am</td>
<td>12pm – 3pm</td>
</tr>
<tr>
<td>10500 Civic Center Drive</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rancho Cucamonga, CA 91730</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Community Center</td>
<td>11/6/2018</td>
<td>9:30am – 11am</td>
<td>12pm – 3pm</td>
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<tr>
<td>Great Oaks Hall (Rooms A &amp; B)</td>
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<td>14250 Peyton Drive Chino Hills, CA 91709</td>
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<tr>
<td>City Council Chamber</td>
<td>11/14/2018</td>
<td>9:30am – 11am</td>
<td>12pm – 3pm</td>
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<tr>
<td>5275 Orange Avenue Cypress, CA 90630</td>
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</table>
Christine Silken
Christine.Silken@waterboards.ca.gov

Michelle Beckwith
Michelle.Beckwith@waterboards.ca.gov
Lunch Break

For those who are taking the exams, please return by 12 pm.
Bring a pencil and valid State issued ID.
Exams are open book however use of electronic devices is not allowed.