



Industrial General Permit Overview

**State Water Resources Control Board
Division of Water Quality
Industrial/Construction Storm Water Unit
April 1, 2014 Board Meeting**

Goals

- Performance Based Model
- Improved Data Quality
- Incentives and Flexibility

Environmental Benefits

- Enhanced sampling requirements
- Electronic Reporting
- Minimum and Advanced BMPs
- Design Storm Standards
- Numeric Action Levels
- Exceedance Response Actions and Reporting
- TMDL reopener
- Defining No Discharge
- Reporting requirements for temporarily closed facilities



Overall Approach to Effluent Limitations

- Narrative Technology Based Effluent Limitations
- Based on narrative requirements in 1992 and 1997 Industrial General Permit and US EPA Multi-Sector General Permit
- Includes enhanced performance features

Industrial Permit Timeline

- 1991 – State Water Board adopts Industrial General Permit (92-12)
- 1997 - State Water Board adopts Industrial General Permit (97-03-DWQ – “current permit”)
- 2003-2005 – Prior draft IGPs, Blue Ribbon Panel of Experts address the feasibility of Numeric Effluent Limits, development of SMARTS electronic information system.
- 2011-2013 – State Water Board hearings on previous drafts of the permits
- April 1, 2014 – State Water Board considers adoption of the Industrial General Permit.
- Effective Date July 1, 2015



2014 Industrial General Permit Summary of Changes

- * Identifies a change from the 2013 draft
- ** Identifies a change from the 2014 draft

Electronic Reporting Requirements

Dischargers are required to submit and certify all documents electronically via the Storm Water Multiple Application and Report Tracking System (SMARTS)

- Permit Registration Documents, Sampling and Analysis Data, Annual Report Checklist, Reports
- Public Transparency
- Efficiency
- Analysis of industrial program



Storm Water Pollution Prevention Plan (SWPPP) Requirements

Minimum Best Management Practices (BMPs)

Section X.H



- Implementation of the minimum BMPs (mostly non-structural) to the extent feasible required
- Represents common practices at industrial facilities
- Basis for compliance with technology-based effluent limitations and water quality based receiving water limitations.

Advanced BMPs

Section X.H.2

- Mostly structural and exceed the performance expectation of minimum BMPs
- **Required to meet design storm standards
- Consists of: treatment control BMPs, exposure reduction BMPs, and storm water containment and discharge reduction BMPs
- Utilize advanced BMPs that infiltrate or reuse storm water (where feasible)

Design Storm Standards for Treatment Control BMPs

Section X.H.6

- 85th percentile 24-hour storm standard for both volume- and flow-based criteria.
- LA SUSMP requirement and CASQA BMP Manual
- Requires local historical rainfall records
- Dischargers are not required to retrofit existing treatment control BMPs until possibly in Level 2

Other SWPPP Changes

- Temporary Suspension of Industrial Activities
- Monitoring Implementation Plan



Monitoring Requirements

Monitoring – Visual Observations

Section XI.A

- Monthly observations of NSWDS
- Sampling Events (including bypass and contained storm water)

Qualifying Storm Event (QSE)

Section XI.B.1

Precipitation event that:

- Produces a discharge for at least one drainage area;
- Is preceded by 48 hours with no discharge from any drainage area
- Results in an increase number of QSEs eligible for sample collection

Sampling Protocols

Section XI.B

- Two QSEs from July 1 to December 31st and two QSEs from January 1 to June 30 of the Reporting Year
- During scheduled facility operating hours
- From each drainage location within four hours or the start of scheduled facility operating hours if the QSE occurred in the previous twelve (12) hours.

Other Monitoring Requirements

- pH screening
- Alternative Discharge Locations
- Representative Sampling Reduction
- Qualified Combined Samples
- Sample Frequency Reduction



Section XII Exceedance Response Actions (ERA) Process

Numeric Action Levels (NALs)

- Annual NAL exceedance

The average of all the analytical results for a parameter from samples taken within a reporting year exceeds an annual NAL value for that parameter listed in Table 5 (or is outside the NAL pH range)

- Instantaneous maximum NAL exceedance

Two or more analytical results for TSS, O&G, or pH from samples taken within a reporting year exceed the instantaneous maximum NAL value (or is outside the NAL pH range).

Baseline Status

- Numeric Action Levels
- Minimum BMPs/possibly Advanced BMPs
- Inspection, Implementation, Maintenance
- Visual Monitoring
- Sample 4 qualified storm events per reporting year



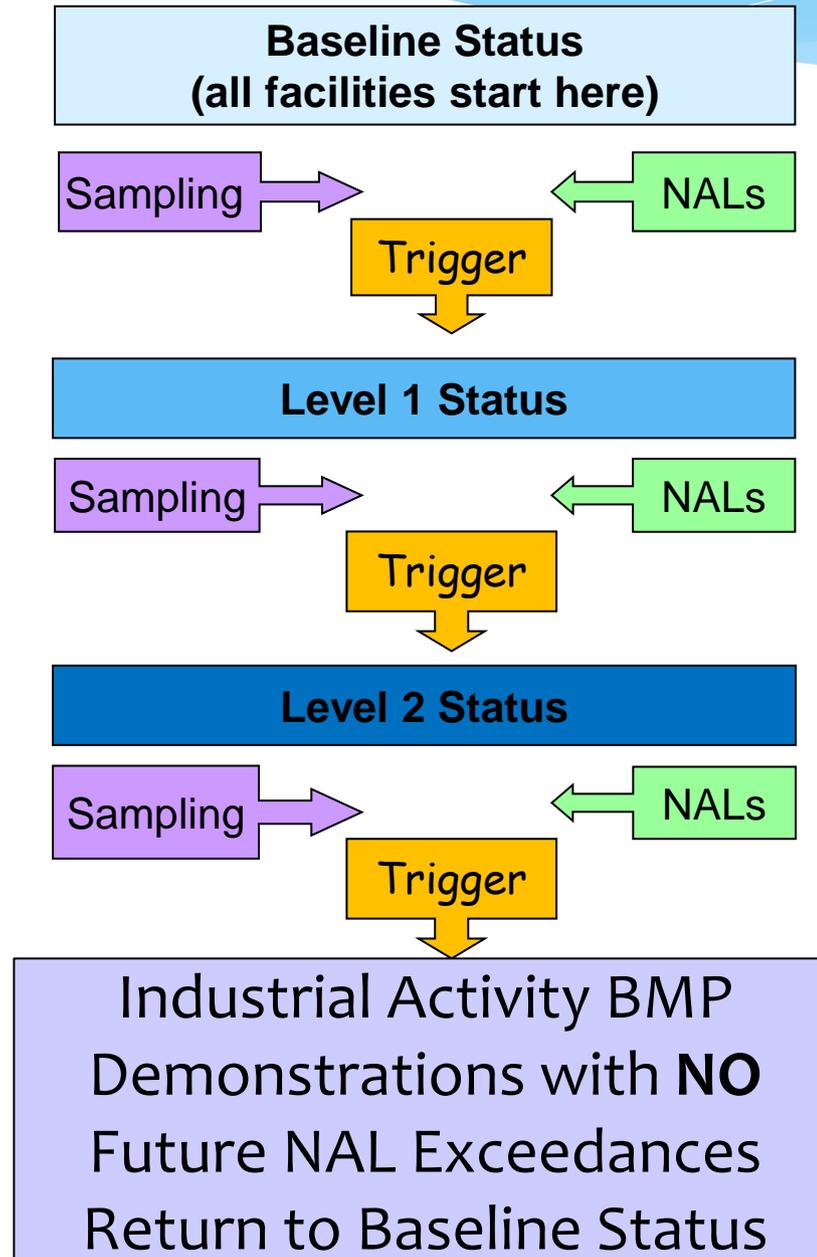
NAL Exceedances



Trigger

- Annual Average exceeds the annual NAL values (within a reporting year)
- Any two or more samples for a single parameter exceed the NAL values in a reporting year (TSS, O&G, or pH)

EXCEEDANCE RESPONSE ACTIONS (ERAs)



Level 1 ERA Timeline

- Status changes - July 1
- Evaluation by October 1 *Prior to implementation of BMPs or October 1, sampling not included in calculations for Level 2
- Level 1 Report (QISP, Evaluation, Summary Site/BMP changes in SWPPP) by January 1

Level 2 ERA Timeline

- Status changes next July 1
- Action Plan: QISP, facility plan for addressing exceedances, and a schedule - January 1
- Technical Report : QISP, Evaluation, Treatment/Structural BMPs implemented - January 1 of the next reporting year
- Implementation Extension: Regional Board approval required if over 6 months requested and submitted electronically

ERA Level 2 Demonstrations

The Level 2 ERA Technical Report can have one or more of the following:

- Industrial Activity BMP Demonstration
(opportunity to return to baseline if exceedances eliminated)
- Non-Industrial Pollutant Source Demonstration
- Natural Background Demonstration

Training Qualifications

Section IX

- Dischargers shall appoint QISP – internal or external
- No prerequisites
- Training is not “intro to storm water”
- Only Dischargers with Level 1 and Level 2 status
- ERA reporting and Action Plan, **New Dischargers with 303(d) impaired receiving waters



Training Qualifications

Section IX

- California licensed professional civil, industrial, chemical, and mechanical engineers and geologists
- Parallel and streamlined training process to be a QISP
- Inactive Mining Storm Water Pollution Prevention Plans (SWPPPs), NONA Technical Reports, and Subchapter N calculations

Compliance Groups

Section XIV

- Substantially similar industrial activities
- 50% sampling reduction
- Compliance Group Leaders - *approved through the State Water Board approved training program
- Inspect annually
- Prepare Level 1 and Level 2 ERA reports
- Executive Director may review the Groups

Conditional Exclusion – No Exposure Certification (NEC)

Section XVII

- Checklist - 11 categories of no exposure for industrial materials/activities
- No SWPPP or monitoring required
- Annual fee (low), inspection and recertification
- Regional Boards can deny if invalid



NONA – No Discharge

Section XX.C

- Facility constructed to have no Discharge and *no discharge to waters of the United States via groundwater
- Facility located in a basin or other physical location that is not hydrologically connected to waters of the United States

***²⁵No discharge to groundwater that has a direct hydrological connection to waters of the United States shall mean that the discharger is not required to obtain an NPDES permit because there is no discharge to the waters of the United States, as defined by regulations and case law interpreting the scope of the Clean Water Act. (See, e.g., Greater Yellowstone Coalition v. Larson (D.Idaho 2009) 641 F.Supp.2d 1120.)*

Total Maximum Daily Loads (TMDLs)

Section VII.A

- Development of implementation language (Regional and State)
- Reopener – State Water Board to include by July 1, 2016
- Dischargers required to comply with these requirements
- **Three TMDLs added:

Shelter Island Yacht Basin	Dissolved Copper
Baby Beach in Dana Point Harbor and Shelter Island Shoreline Park in SD Bay	Indicator Bacteria
Twenty Beaches and Creeks	Indicator Bacteria

303(d) Impaired Water Bodies

Section VII.B

- New Dischargers ineligible for coverage unless criteria met
 - No exposure
 - Not present
 - Below WQS
- **Qualified Industrial Storm Water Practitioner to assist with this evaluation
- Existing Dischargers – potential additional monitoring

Discharges to Ocean Waters

Section VIII.A

- Dischargers with outfalls discharging to the ocean
- July 1, 2015 – develop monitoring plans, regional board assistance
- Dischargers required to comply with these requirements



Discharges to Areas of Special Biological Significance (ASBS)

Section VIII.B

- Dischargers granted an exception required to meet conditions in Attachment G
- Ineligible for coverage unless meet criteria



Plastic Materials

Section XVIII

- AB 258 required control of preproduction plastics
- Ineligible for coverage unless criteria met *virgin and recycled “preproduction” materials
- Requires containment (1 mm mesh meet peak flow rate from 1-yr 1-hour storm)
- If containment infeasible, alternative containment BMPs can be proposed
- Exemption from containment criteria (NEC, 8 BMPs)



2014 Industrial General Permit Change Sheet

Order

Typographical and clarification changes on:

- Linking Design Storm to Advanced BMPs
- Bypass sampling requirements
- Similar BMPs for certain sampling requirements
- QISP to assist New Dischargers with impaired water bodies
- Level 2 ERA Technical Report requirements
- Legally Responsible Person definition for a corporation
- Definition for no discharge

Fact Sheet, Attachments and Appendices

- Fact Sheet – Typographical and clarification changes to rationale
- Addition of three TMDLs to Attachment D, typographical clarifications to Attachment H and Appendix 3

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Cost Analysis for the 2013 Draft Industrial General Permit (IGP)

Industrial and Construction Discharges Unit
Surface Water Regulatory Section
Division of Water Quality
CA State Water Board

Analysis Approach

- Present value, side by side comparison of 1997 IGP requirements vs. 2013 Draft IGP (scenarios)
- Average, annual costs for each scenario
- All data and formulas used (incl. costs and sources) available in workbook online
- Follows the approach of last year but less emphasis on intermediary drafts (2011 and 2012)

Analysis' Major Assumptions

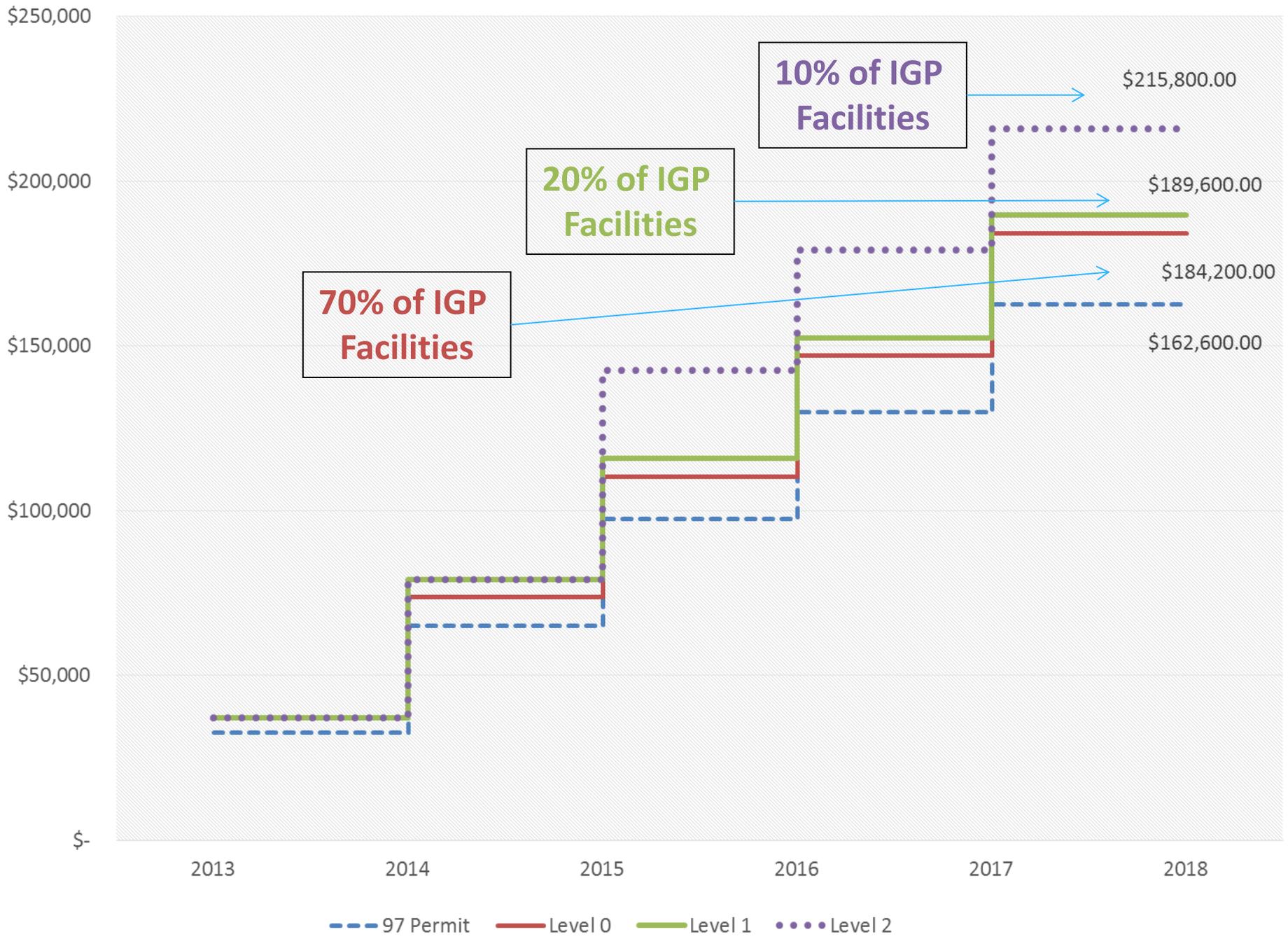
- Five year analysis
- Distributed cost analysis (like last year's report)
- 70/20/10 breakdown of permittee community
 - 70% never exceed NALs
 - 20% exceed NALs once and enter Level 1 ERA
 - 10% exceed NALs more than once and enter Level 2 ERA
- Level 2 BMP costs are distributed
 - 95% experience “low” and 5% “high” costs

Cost Model Categories

- 1997 – this is the cost for the average facility to comply with the Current IGP (97-03-DWQ)
- Level 0 – this is the cost for the average facility to comply with the 2013 Draft IGP and **never** exceeding an NAL
- Level 1 – 2013 Draft IGP, exceeding once (Level 1 ERA)
- Level 2 – 2013 Draft IGP, exceeding twice (Level 2 ERA)

Reminders

- The value of this is to compare categories/scenarios for average, annual costs
- The timeline starts now because of present value (not the expected effective date of IGP)
- Model assumes facilities return to baseline two compliance years after entering L1 or L2
- Significant savings can be achieved if a facility qualifies for reduced sampling, etc. – **we do not account for that here**



1997 Scenario

1997 Order	1St Year	2nd year	3rd year	4th Year	5th year	TOTAL
One Time Cost	\$ 281	\$ -	\$ -	\$ -	\$ -	\$ 281
Training (50/50)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Permit Registration (excludes permit fee) (50/50)	\$ 281	\$ -	\$ -	\$ -	\$ -	\$ 281
SWPPP Development (use existing)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Equipment (pH/EC Meter & Rain Gauge)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Cost	\$ 32,444	\$ 32,443.94	\$ 32,443.94	\$ 32,443.94	\$ 32,443.94	\$ 162,220
Sample Collection / Analysis	\$ 5,947	\$ 5,947	\$ 5,947	\$ 5,947	\$ 5,947	\$ 29,733
Implement operational source control BMPs (05/95)	\$ 21,563	\$ 21,563	\$ 21,563	\$ 21,563	\$ 21,563	\$ 107,813
Structural/Treatment BMP Operation & Maintenance (05/95)	\$ 688	\$ 688	\$ 688	\$ 688	\$ 688	\$ 3,442
Annual Report (50/50)	\$ 638	\$ 638	\$ 638	\$ 638	\$ 638	\$ 3,188
Visual Observations (50/50)	\$ 2,063	\$ 2,063	\$ 2,063	\$ 2,063	\$ 2,063	\$ 10,313
Recordkeeping (50/50)	\$ 188	\$ 188	\$ 188	\$ 188	\$ 188	\$ 938
Permit Fee (assume same price)	\$ 1,359	\$ 1,359	\$ 1,359	\$ 1,359	\$ 1,359	\$ 6,795
TOTAL	\$ 32,725	\$ 32,444	\$ 32,444	\$ 32,444	\$ 32,444	\$ 162,501

2013 Lo Scenario

2013 LO ORDER	1St Year	2nd year	3rd year	4th Year	5th year	TOTAL
One Time Cost	\$ 608	\$ -	\$ -	\$ -	\$ -	\$ 608
Training (50/50)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Permit Registration (excludes permit fee) (50/50)	\$ 600	\$ -	\$ -	\$ -	\$ -	\$ 600
SWPPP Development (use existing)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Equipment (pH/EC Meter & Rain Gauge)	\$ 8	\$ -	\$ -	\$ -	\$ -	\$ 8
Annual Cost	\$ 36,553	\$ 36,552.94	\$ 36,552.94	\$ 36,552.94	\$ 36,552.94	\$ 182,765
Sample Collection / Analysis	\$ 10,018	\$ 10,018	\$ 10,018	\$ 10,018	\$ 10,018	\$ 50,090
Implement operational source control BMPs (05/95)	\$ 21,563	\$ 21,563	\$ 21,563	\$ 21,563	\$ 21,563	\$ 107,813
Structural/Treatment BMP Operation & Maintenance (05/95)	\$ 688	\$ 688	\$ 688	\$ 688	\$ 688	\$ 3,442
Annual Report (50/50)	\$ 488	\$ 488	\$ 488	\$ 488	\$ 488	\$ 2,438
Visual Observations (50/50)	\$ 2,250	\$ 2,250	\$ 2,250	\$ 2,250	\$ 2,250	\$ 11,250
Recordkeeping (50/50)	\$ 188	\$ 188	\$ 188	\$ 188	\$ 188	\$ 938
Permit Fee (assume same price)	\$ 1,359	\$ 1,359	\$ 1,359	\$ 1,359	\$ 1,359	\$ 6,795
TOTAL	\$ 37,161	\$ 36,553	\$ 36,553	\$ 36,553	\$ 36,553	\$ 183,373

2013 L1 Scenario

2013 L1 ORDER	1St Year	2nd year	3rd year	4th Year	5th year	TOTAL
One Time Cost	\$ 608	\$ -	\$ -	\$ -	\$ -	\$ 608
Training (50/50)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Permit Registration (excludes permit fee) (50/50)	\$ 600	\$ -	\$ -	\$ -	\$ -	\$ 600
SWPPP Development (use existing)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Equipment (pH/EC Meter & Rain Gauge)	\$ 8	\$ -	\$ -	\$ -	\$ -	\$ 8
Annual Cost	\$ 36,553	\$ 36,552.94	\$ 36,552.94	\$ 36,552.94	\$ 36,552.94	\$ 182,765
Sample Collection / Analysis	\$ 10,018	\$ 10,018	\$ 10,018	\$ 10,018	\$ 10,018	\$ 50,090
Implement operational source control BMPs (05/95)	\$ 21,563	\$ 21,563	\$ 21,563	\$ 21,563	\$ 21,563	\$ 107,813
Structural/Treatment BMP Operation & Maintenance (05/95)	\$ 688	\$ 688	\$ 688	\$ 688	\$ 688	\$ 3,442
Annual Report (50/50)	\$ 488	\$ 488	\$ 488	\$ 488	\$ 488	\$ 2,438
Visual Observations (50/50)	\$ 2,250	\$ 2,250	\$ 2,250	\$ 2,250	\$ 2,250	\$ 11,250
Recordkeeping (50/50)	\$ 188	\$ 188	\$ 188	\$ 188	\$ 188	\$ 938
Permit Fee (assume same price)	\$ 1,359	\$ 1,359	\$ 1,359	\$ 1,359	\$ 1,359	\$ 6,795
Exceedance Dependent Costs Sum:	\$ -	\$ 5,519	\$ -	\$ -	\$ -	\$ 5,519
Evaluate BMPs		\$ 1,650				\$ 1,650
Prepare Level 1 ERA Report BMPs		\$ 750				\$ 750
Equipment (if pH exceeded, less than 10% of all facilities)		\$ 15				\$ 15
QISP training		\$ 2,729				\$ 2,729
SWPPP Update		\$ 375				\$ 375
TOTAL	\$ 37,161	\$ 42,071	\$ 36,553	\$ 36,553	\$ 36,553	\$ 188,891

2013 L2 Scenario

2013 L2 ORDER	1St Year	2nd year	3rd year	4th Year	5th year	TOTAL
One Time Cost	\$ 608	\$ -	\$ -	\$ -	\$ -	\$ 608
Training (50/50)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Permit Registration (excludes permit fee) (50/50)	\$ 600	\$ -	\$ -	\$ -	\$ -	\$ 600
SWPPP Development (use existing)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Equipment (pH/EC Meter & Rain Gauge)	\$ 8	\$ -	\$ -	\$ -	\$ -	\$ 8
Annual Cost	\$ 36,553	\$ 36,552.94	\$ 36,552.94	\$ 36,552.94	\$ 36,552.94	\$ 182,765
Sample Collection / Analysis	\$ 10,018	\$ 10,018	\$ 10,018	\$ 10,018	\$ 10,018	\$ 50,090
Implement operational source control BMPs (05/95)	\$ 21,563	\$ 21,563	\$ 21,563	\$ 21,563	\$ 21,563	\$ 107,813
Structural/Treatment BMP Operation & Maintenance (05/95)	\$ 688	\$ 688	\$ 688	\$ 688	\$ 688	\$ 3,442
Annual Report (50/50)	\$ 488	\$ 488	\$ 488	\$ 488	\$ 488	\$ 2,438
Visual Observations (50/50)	\$ 2,250	\$ 2,250	\$ 2,250	\$ 2,250	\$ 2,250	\$ 11,250
Recordkeeping (50/50)	\$ 188	\$ 188	\$ 188	\$ 188	\$ 188	\$ 938
Permit Fee (assume same price)	\$ 1,359	\$ 1,359	\$ 1,359	\$ 1,359	\$ 1,359	\$ 6,795
Exceedance Dependent Costs L1:	\$ -	\$ 5,519	\$ -	\$ -	\$ -	\$ 5,519
Evaluate BMPs	\$ -	\$ 1,650	\$ -	\$ -	\$ -	\$ 1,650
Prepare Level 1 ERA Report BMPs	\$ -	\$ 750	\$ -	\$ -	\$ -	\$ 750
Equipment (if pH exceeded, less than 10% of all facilities)	\$ -	\$ 15	\$ -	\$ -	\$ -	\$ 15
QISP training	\$ -	\$ 2,729	\$ -	\$ -	\$ -	\$ 2,729
SWPPP Update	\$ -	\$ 375	\$ -	\$ -	\$ -	\$ 375
Exceedance Dependent Costs L2:	\$ -	\$ -	\$ 26,808	\$ -	\$ -	\$ 26,808
Evaluate need for treatment/structural control BMPs (50/50)	\$ -	\$ -	\$ 10,500	\$ -	\$ -	\$ 10,500
Prepare Technical report for best option (50/50)	\$ -	\$ -	\$ 1,650	\$ -	\$ -	\$ 1,650
Implement Additional Structural/Treatment BMPs (5/95)	\$ -	\$ -	\$ 13,595	\$ -	\$ -	\$ 13,595
Additional BMP Operation & Maintenance (Annual O&M) (5/95)	\$ -	\$ -	\$ 688	\$ -	\$ -	\$ 688
Increase Sample Collection / Analysis (twice per quarter annual)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SWPPP Update	\$ -	\$ -	\$ 375	\$ -	\$ -	\$ 375
TOTAL	\$ 37,161	\$ 42,071	\$ 63,361	\$ 36,553	\$ 36,553	\$ 215,699

Bottom Line

- 1997 IGP costs an average facility about \$32,700 per year
- The latest draft will increase that “baseline” slightly, and more if the facility exceeds NALs
- The incremental cost compared to 97 permit for Lo compliance is 13%, L1 is 17% and L2 is 33%.
- For 70% of facilities in the new permit the incremental cost would only be around \$4,071 more per year in additional monitoring (plus \$187 more a year in visual observations).
- The calculated total cost (all facilities in the 70/20/10 breakdown) of this “permit” over a 5 year period is \$1.74B versus the 1997 IGP, about \$1.57B
 - → Difference is about \$170M over a 5 year period



Change Sheet

Fact Sheet Changes

Change 1: On page 2 Section I.B of the Draft Fact Sheet, change the seventh bullet point as follows:

- Certify and submit all permit-related compliance documents via the Storm Water Multiple Application Reporting and Tracking System (SMARTS). Dischargers shall certify and submit these documents which include, but are not limited to, Permit Registration Documents (PRDs) including Notices of Intent (NOIs), No Exposure Certifications (NECs), and Storm Water Pollution Prevention Plans (SWPPPs), as well as Annual Reports, Notices of Termination (NOTs), Level 1 ERA Reports, and Level 2 ERA Technical Reports.

Change 2: On page 26 Section II.F of the Draft Fact Sheet, addition of a third paragraph as follows:

New Dischargers (as defined in Attachment C) applying for NOI coverage under this General Permit that will be discharging to an impaired water body with a 303(d) listed impairment are ineligible for coverage unless the Discharger submits data and/or information, prepared by a QISP, demonstrating that the facility will not cause or contribute to the impairment. Section VII.B of this General Permit describes the three different options New Dischargers have for making this determination. This General Permit requires a QISP to assist the New Discharger with this determination because individuals making this determination will need expertise in industrial storm water pollutant sources, BMPs and a thorough understanding of complying with U.S. EPA's storm water regulations and this General Permit's requirements. Not requiring New Dischargers to have a QISP assist in this demonstration would possibly lead to costly retrofits or closure of a new facility that has not demonstrated that the facility will not cause or contribute to the impairment.

Fact Sheet Changes

Change 3: On page 28 Table 1 of the Draft Fact Sheet, addition of language as follows:

TABLE 1: Role-Specific Permit Requirements

Qualifications	Task
QISP	<u>Assist New Dischargers determine coverage eligibility for Discharges to an impaired water body.</u> Level 1 ERA Evaluation and report, Level 2 ERA Action Plan, and Technical Report, and the Level 2 ERA extension
California licensed professional engineer	Inactive Mining Operation Certification, SWPPPs for inactive mining, and annual re-certification of Inactive Mining Operation Certification, NONA Technical Reports, and Subchapter N calculations

Fact Sheet Changes

Change 4: On page 29 Section II.I.1 of the Draft Fact Sheet, additional language added to the second paragraph as follows:

Failure to develop or implement an adequate SWPPP, or update or revise an existing SWPPP as required, is a violation of this General Permit. Failure to maintain the SWPPP on-site and have it available for inspection is also a violation of this General Permit.

Dischargers are also required to submit their SWPPPs and any SWPPP revisions via SMARTS; accordingly, BMP revisions made in response to observed compliance problems will be included in the revised SWPPP electronically submitted via SMARTS. Dischargers are also required to submit their SWPPPs and any significant SWPPP revisions via SMARTS; accordingly, BMP revisions made in response to observed compliance problems will be included in the revised SWPPP electronically submitted via SMARTS. Not all SWPPP revisions are significant and it is up to the Dischargers to distinguish between revisions that are significant and those that are not significant. If no changes are made at all to the SWPPP, the Discharger is not required to resubmit the SWPPP on any specific frequency.

- Significant SWPPP Revisions: Dischargers are required to certify and submit via SMARTS their SWPPP within 30 days of the significant revision(s). While it is not easy to draw a line generally between revisions that are significant and those that are not significant, Dischargers are not required to certify and submit via SMARTS any SWPPP revisions that are comprised of only typographical fixes or minor clarifications.
- All Other SWPPP Revisions: Dischargers are required to submit revisions to the SWPPP that are determined to not be significant every three (3) months in the reporting year.

Fact Sheet Changes

Change 5: On page 41 Section II.I.3 of the Draft Fact Sheet, new first paragraph added as follows (this also includes the addition of footnote 12 and 13):

Dischargers should be aware of the potential unintended public health concerns associated with treatment control BMPs. Extensive monitoring studies conducted by the California Department of Public Health (CDPH) have documented that mosquitoes opportunistically breed in structural BMPs, particularly those that hold standing water for over 96 hours. BMPs that produce mosquitoes create potential public health concerns and increase the burden on local vector control agencies that are mandated to inspect for and abate mosquitoes and other vectors within their jurisdictional boundaries. These unintended consequences can be lessened when BMPs incorporate design, construction, and maintenance principles developed specifically to minimize standing water available to mosquitoes¹² while having negligible effects on the capacity of the structures to provide water quality improvements. The California Health and Safety Code prohibits landowners from knowingly providing habitat for or allowing the production of mosquitoes and other vectors, and gives local vector control agencies broad inspection and abatement powers¹³.

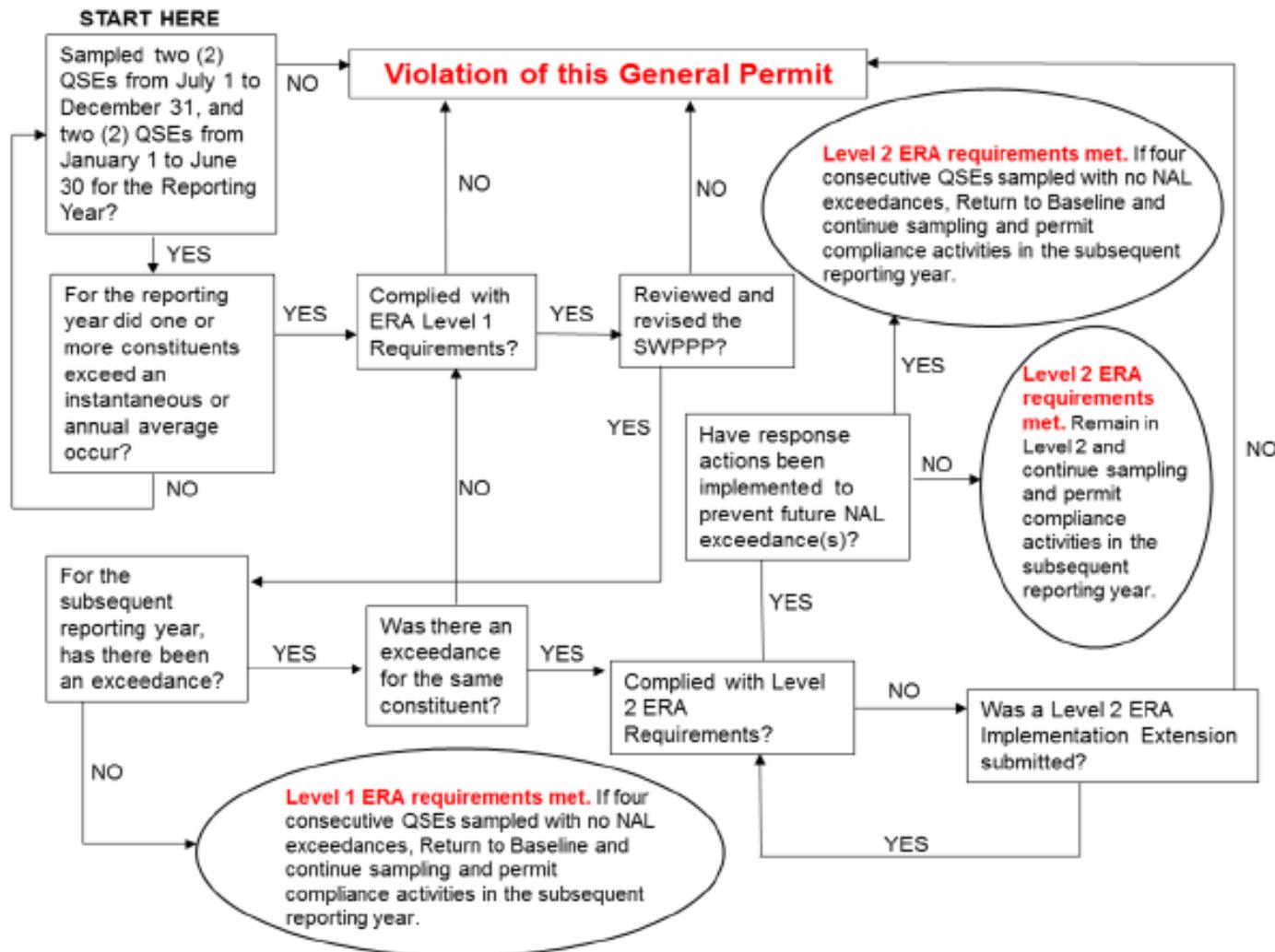
New Footnote 12: ¹² California Department of Public Health. (2012). Best Management Practices for Mosquito Control in California. <<http://www.westnile.ca.gov/resources.php>>. [as of February 4, 2014]

New Footnote 13: ¹³ California Health & Safety Code, Division 3, Section 2060 and following.

Fact Sheet Changes

Change 6: On page 43 Figure 3 of the Draft Fact Sheet has been updated and replaced with the following:

FIGURE 1: Compliance Determination Flowchart



Fact Sheet Changes

Change 7: On page 61 Section II.K.5.b of the Draft Fact Sheet, change made as follows:

- b. The Level 2 ERA Technical Report contains three different options that require a Discharger to submit demonstrations showing the cause of the NAL exceedance(s). This General Permit requires a Discharger to appoint a QISP to prepare the Level 2 ERA Technical Reports. The State Water Board acknowledges that there may be cases where a combination of the demonstrations may be appropriate; therefore a Discharger may combine any of the following three demonstration options in their Level 2 ERA Technical Report when appropriate. A Discharger is only required to annually update its Level 2 ERA Technical Report when necessary as defined in Section XII.D.3.c of this General Permit and is not required to annually re-certify and re-submit the entire Level 2 ERA Technical Report. If there are no changes prompting an update of the Level 2 ERA Technical Report, as specified in Section XII.D.3.c of this General Permit, the Discharger will provide this certification in the Annual Report that there have been no changes warranting re-submittal of the Level 2 ERA Technical Report.

Change 8: On page 65 Section II.M of the Draft Fact Sheet, change made to the fourth paragraph as follows:

The State Water Board believes that it is necessary for Compliance Group Leaders to have a higher level of industrial storm water compliance and training experience than the expectations of a ~~QISP~~QISP. Many stakeholder comments on this General Permit suggested various certifications to provide this higher level of experience; however, the State Water Board believes a process similar to the Trainer of Record process for the Construction General Permit training program will develop Compliance Group Leaders with the appropriate level of experience to fulfill the necessary qualifications.

Fact Sheet Changes

Change 9: On page 70 Section II.S.2.a of the Draft Fact Sheet, language added as follows:

- a. Engineered and constructed to contain all storm water associated with industrial activities from discharging to waters of the United States, including no discharge to groundwater that has a direct hydrologic connection to waters of the United States. The General Permit covers only dischargers who are required to obtain an NPDES permit under the CWA. Determining whether a discharge to groundwater has a direct hydrological connection to the waters of the United States will require a fact-specific inquiry including, but not limited to, the time and distance connecting the discharge to the surface waters, geology, and slope. (See e.g., Greater Yellowstone Coalition v. Larson (D.Idaho 2009) 641 F.Supp.2d 1120.).

Order Changes

Change 10: On page 3 Section I.A Finding 17 of the Draft Order, language added as follows:

17. This General Permit requires that the Discharger certify and submit all Permit Registration Documents (PRDs) for Notice of Intent (NOI) and No Exposure Certification (NEC) coverage via the State Water Board's Storm Water Multi-ple Application and Report Tracking System (SMARTS) website. ~~An~~(See Attachment D ~~for an~~ for an example of the information required to be submitted in the PRDs via SMARTS ~~can be found in Attachment D.~~) All other documents required by this General Permit to be electronically certified and submitted via SMARTS can be submitted by the Discharger or by a designated Duly Authorized Representative on behalf of the Discharger. Electronic reporting is required to reduce the state's reliance on paper, to improve efficiency, and to make such General Permit documents more easily accessible to the public and the Water Boards.

Order Changes

Change 11: On page 9 Section I.H Finding 50 of the Draft Order, language added as follows:

50. A QISP ~~is responsible for~~ must assist the Discharger in completing the Level 1 status and Level 2 status ERA requirements as specified in Section XII of this General Permit. A QISP is also responsible for assisting New Dischargers that will be discharging to an impaired water body with a 303(d) listed impairment, demonstrate eligibility for coverage through preparing the data and/or information required in Section VII.B.

Change 12: On page 23 Section VII.B of the Draft Order, language added as follows:

B. New Dischargers applying for NOI coverage under this General Permit that will be discharging to ~~an impaired~~ water body with a 303(d) listed impairment are ineligible for coverage unless the Discharger submits data and/or information, prepared by a QISP, demonstrating that:

Order Changes

Change 13: On page 37 Section X.H.6 of the Draft Order, language added as follows:

6. Design Storm Standards for Treatment Control BMPs

All new treatment control BMPs employed by the Discharger to comply with Section X.H.2 Advanced BMPs and new sediment basins installed after the effective date of this order shall be designed to comply with design storm standards in this Section, except as provided in an Industrial Activity BMP Demonstration (Section XII.D.2.a). A Factor of Safety shall be incorporated into the design of all treatment control BMPs to ensure that storm water is sufficiently treated throughout the life of the treatment control BMPs. The design storm standards for treatment control BMPs are as follows:

Change 14: On page 39 Section XI.A.2.b of the Draft Order, language modified as follows:

b. Any Discharger shall ensure that visual observations and sampling of storm water discharges from employing volume-based or flow-based treatment BMPs and shall sample any bypass that occurs while the visual observations and sampling of storm water discharges are conducted at the same time.

Order Changes

Change 15: On page 46 Section XI.C.4.a of the Draft Order, language added as follows:

- a. The Discharger may reduce the number of locations to be sampled in each drainage area (e.g., roofs with multiple downspouts, loading/unloading areas with multiple storm drains) if the industrial activities, BMPs, and physical characteristics (grade, surface materials, etc.) of the drainage area for each location to be sampled are substantially similar to one another. To qualify for the Representative Sampling Reduction, RSR, the Discharger shall provide a Representative Sampling Reduction RSR justification in the Monitoring Implementation Plan MIP section of the SWPPP.

Change 16: On page 47 Section XI.C.4.b.iii of the Draft Order, language added as follows:

- i. A description of the BMPs implemented in the drainage area:

Order Changes

Change 17: On page 47 Section XI.C.5.a of the Draft Order, language added as follows:

- a. The Discharger may authorize ~~the lab~~ an analytical laboratory to combine samples of equal volume from as many as four (4) discharge locations if the industrial activities, BMPs, and physical characteristics (grade, surface materials, etc.) within each of the drainage areas are substantially similar to one another.

Change 18: On page 48 Section XI.C.5.b of the Draft Order, language added as follows:

- ii. A description of the BMPs implemented in the drainage area:

Change 19: On page 51 Section XII.C of the Draft Order, language added as follows:

C. Level 1 Status

A Discharger's Baseline status for any given parameter shall change to Level 1 status if sampling results indicate an NAL exceedance for that same parameter ~~in any subsequent reporting year~~. Level 1 status will commence on July 1 following the reporting year during which the exceedance(s) occurred.¹

Order Changes

Change 20: On page 52 Section XII.D of the Draft Order, language added as follows:

D. Level 2 Status

A Discharger's Level 1 status for any given parameter shall change to Level 2 status if sampling results indicate an NAL exceedance ~~in any subsequent reporting~~ year for that ~~e~~-same parameter. while the Discharger is in Level 1. Level 2 status will commence on July 1 following the reporting year during which the NAL exceedance(s) occurred.²

Order Changes

Change 21: On page 56 Section XII.D.3.c of the Draft Order, language added as follows:

- c. Dischargers with Level 2 status who have submitted the Level 2 ERA Technical Report are only required to annually update the Level 2 ERA Technical Report based upon additional NAL exceedances of the same parameter and same drainage area (if the original Level 2 ERA Technical Report contained an Industrial Activity BMP Demonstration and the implemented BMPs were expected to eliminate future NAL exceedances in accordance with Section XII.D.2.a.ii). facility operational changes, pollutant source(s) changes, and/or information that becomes available via compliance activities (monthly inspections visual observations, sampling results, annual evaluation, etc.). The Level 2 ERA Technical Report shall be prepared by a QISP and be certified and submitted via SMARTS by the Discharger with each Annual Report. If there are no changes prompting an update of the Level 2 ERA Technical Report, as specified above, the Discharger will provide this certification in the Annual Report that there have been no changes warranting re-submittal of the Level 2 ERA Technical Report.

Order Changes

Change 22: On page 71 Section XX.C.2.a of the Draft Order, footnote 25 added as follows:

- a. The facility shall is either be (1) engineered and constructed to have contained the maximum historic precipitation event (or series of events) using the precipitation data collected from the National Oceanic and Atmospheric Agency's website (or other nearby precipitation data available from other government agencies); or so that there will be no discharge of industrial storm water to waters of the United States, including no discharge to groundwater that has a direct hydrologic connection to waters of the United States²⁵; or,

New Footnote 25: ²⁵No discharge to groundwater that has a direct hydrological connection to waters of the United States shall mean that the discharger is not required to obtain an NPDES permit because there is no discharge to the waters of the United States, as defined by regulations and case law interpreting the scope of the Clean Water Act. (See, e.g., Greater Yellowstone Coalition v. Larson (D.Idaho 2009) 641 F.Supp.2d 1120.)

Order Changes

Change 23: On page 74-75 Section XXI.K.4 of the Draft Order changes are as follows:

C. Electronic Signature and Certification Requirements

1. LRP eligibility is as follows:

a. For a corporation: by an authorized a responsible corporate officer. -For the purposes of this section, an authorized responsible corporate officer means:

i. (a) a president, secretary, treasurer, or vice-president, ~~or other officer~~ of the corporation ~~with authority to execute documents on behalf in charge of the corporation pursuant to corporate bylaws~~ a principal business function; or ~~board resolution~~; or

ii. (b) †The manager of one or more manufacturing, production, or operating facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility, † including having the

Order Changes

(Change 23 continued)

explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate ~~bylaws and by corporate resolution;~~ procedures.

- b. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively, ~~that is authorized to execute legally binding documents on behalf of the partnership or sole proprietorship (as the case may be) in accordance with the entity's governing documents; or,~~
- c. For a municipality, state, federal, or other public agency: by either a principal executive officer or ranking elected official ~~that possesses signatory authority of the governmental agency at issue.~~ This includes ~~principal executive officer of a federal agency includes~~ the chief executive officer of the agency or the senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrators of U.S. EPA).

Attachments

Change 24: On page 1 Attachment D is as follows:

This Attachment provides an example of the information Dischargers are required to submit in the PRDs via the Storm Water Multi-ple Application Reporting Tracking System (SMARTS). The actual PRD requirements are in Section II of this General Permit.

Change 25: On page 2 Attachment E (List Of Total Maximum Daily Loads (TMDLs) Applicable To Industrial Storm Water Dischargers) is as follows:

<u>San Diego Regional Water Quality Control Board</u>	
Chollas Creek	Diazinon
Chollas Creek	Copper, Lead, and Zinc
Los Peñasquitos Lagoon	Sediment
Rainbow Creek	Total Nitrogen and Total Phosphorus
<u>Shelter Island Yacht Basin</u>	<u>Dissolved Copper</u>
<u>Baby Beach in Dana Point Harbor and Shelter Island Shoreline Park in SD Bay</u>	<u>Indicator Bacteria</u>
<u>Twenty Beaches and Creeks</u>	<u>Indicator Bacteria</u>

Attachments

Change 26: On page 2 Attachment H Item 7(Sample Collection and Handling Instructions) changes are as follows:

The Discharger can only use automatic sampling device to sample parameters that the device is designed to. For pH, Dischargers can only use automatic sampling devices with the ability to read pH within 15 minutes of sample collection.

Appendices

Change 27: On page 1 Appendix 3 (Waterbodies With Clean Water Act Section 303(D) Listed Impairments) changes are as follows:

The 303(d) impairments below are sourced from the 2010 Integrated Report. The rows in red are impairments for which industrial storm water Dischargers subject to this General Permit are not required to analyze for additional parameters unless directed by the Regional Water Board, because these parameters are typically not associated with industrial storm water. Test methods with substantially similar or more stringent method detection limits may be used if approved by the staff of the State Water Board prior to sampling and analysis and upon approval, will be added into SMARTS. The rows that are not in red are impairments for which Dischargers in the 303(d) impaired watershed are required to analyze for additional parameters, if applicable, because these parameters are more likely to be associated with industrial storm water. See General Permit Section XI.B.6.e. In the event that any of the impairments in this appendix are subsequently delisted, the Dischargers with discharges into that watershed are no longer required to analyze for the additional parameters for those impairments, and the provisions for new Dischargers with discharges into 303(d) impaired water bodies contained in Section VII.B of this General Permit no longer apply for those impairments.



Other Slides on Permit Section

Section II Receiving General Permit Coverage

Notice of Intent Coverage – July 1, 2015

No Exposure Certification Coverage – October 1, 2015*

Permit Registration Documents required

Notice of Termination

All reporting electronically certified and submitted by Discharger





ELECTRONIC REPORTING AND THE PERMIT

**STORM WATER MULTIPLE APPLICATION
AND REPORT TRACKING SYSTEM (SMARTS)**

What is SMARTS?

- The State Water Board's electronic database
- Submittals required for multiple statewide permits
- New Requirement: Industrial General Permit electronic submittals

Electronic Filing Requirements

For Example:

Permit Registration Documents (SWPPP, Site Map, Fee)

Notice of Intent (NOI) Coverage

No Exposure Certification (NEC)

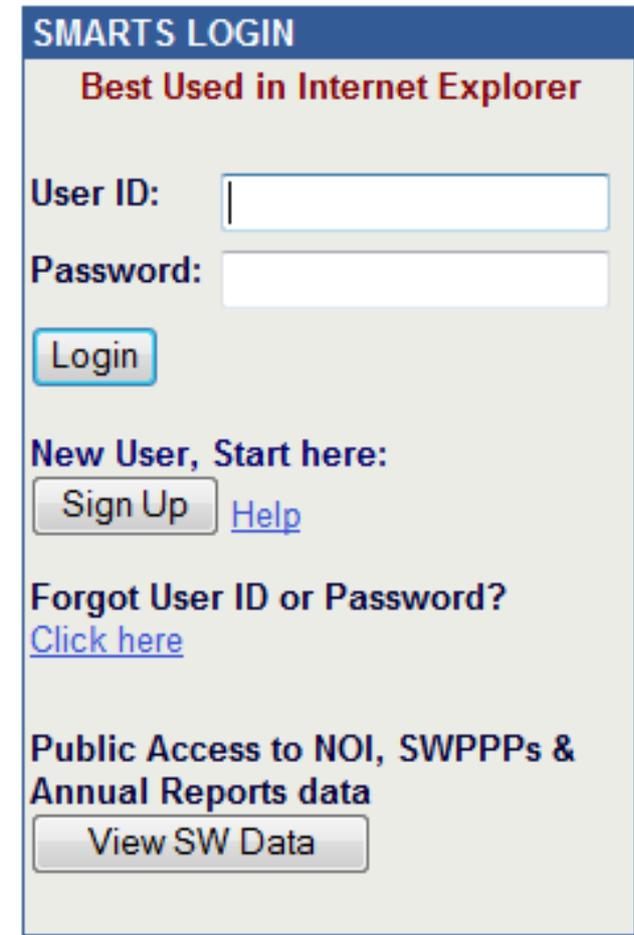
Annual Reports, Sampling Data, Permit Compliance Documents, QISP Information

Notice of Termination



Getting a SMARTS Account

- Account Registration
- Linking to Personnel
- Linking Facilities



SMARTS LOGIN
Best Used in Internet Explorer

User ID:

Password:

New User, Start here:
 [Help](#)

Forgot User ID or Password?
[Click here](#)

Public Access to NOI, SWPPPs & Annual Reports data

Using SMARTS

Water Boards Storm Water Multiple Application & Report Tracking System

[Help](#)

[Logout](#)

You are logged-in as: **Storm Water Admin - Storm Water Test Account.**
If this account does not belong to you, please log out.

Navigate To:

Welcome to the Storm Water Multiple Application and Report Tracking System - SMARTS

Select Program to Access

[Construction General Permit](#)

[Industrial General Permit](#)

[Municipal Phase II Permit](#)

[Caltrans MS4 Permit](#)

[Documents Ready for Certification](#)

[Annual Reports](#)

[Manage Linked Users](#)

[Outstanding Invoices](#)

[Recertification](#)

[CBPELSG - QSD](#)

[Update User Profile](#)

[Public Search Menu](#)

Last 10 Records Previously Accessed

Application ID	Document Type	Facility Name	Status	Type
438221	NOI	Proposed Elementary School	Not Submitted	Construction
10714	COI		Not Submitted	Organization
8075	COI		Returned	Organization
691841	Annual Report	Proposed Elementary School	Submitted	Construction
439866	NOI	ddw	Not Submitted	Construction
817376	Ad hoc Report	tetsing	Not Submitted	Region 8 - Scrap Metal Permit
439280	NOI	pacfab	Submitted to Water Board	Construction
440429	NOI	etrser	Not Submitted	Construction
418738	NOI	SWRCB	Not Submitted - certification required	Construction
816435	Ad hoc Report	Proposed Elementary School	Not Submitted	Construction
15168	COI		Not Submitted	Organization

Using SMARTS

You are logged-in as: Storm Water Admin - Storm Water Test Account.
If this account does not belong to you, please log out.

Navigate To:

Welcome to Storm Water Multiple Application Reporting and Tracking System - SMARTS

Industrial Permit Menu

[New NOI Application](#)

[Active NOIs](#)

[Pending NOIs/NOTs](#)

[Terminated NOIs](#)

[Annual Reports](#)

[Back to Main Menu](#)

Active NOI Applications You Are Associated With:

Application ID WDID	Application Type	Status	Owner/Operator	Site/Facility	NOT	Hide Delete
434053 8 36MR000046	Region 8 - Scrap Metal Permit	Active	Test Owner Company 1001 I Street Sacramento CA 95814	tetsing 123 test street Crestmore CA 95630		Start/View
427883 5S34I023656	Industrial	Active	Test Owner Company 1001 I Street Sacramento CA 95814	Test Industrial Facility 1001 I Street Sacramento CA 95814		

First Prev Next Last Current Page:1 Total Pages:1

[Show Hidden Applications](#)

Using SMARTS

Water Boards Storm Water Multiple Application & Report Tracking System

[Help](#)

[Logout](#)

You are logged-in as: **Storm Water Admin - Storm Water Test Account.**
If this account does not belong to you, please log out.

Navigate To:

NOTICE OF INTENT - Operator Information

The Notice of Intent (NOI) is organized into different tabs. Please complete all applicable tabs before submitting the form. If you want to complete the NOI at a later time, please click on "Save & Exit".

WDID: 5S34I023656	Operator: Test Owner Company 1001 I Street Sacramento CA 95814	Status of Document: Active	Processed Date: 06/06/2012
Permit Type: Industrial	Facility: Test Industrial Facility 1001 I Street Sacramento CA 95814	Certified Date: 10/10/2013	NOT Effective Date:

Operator Info | Facility Info | Addl. Facility Info | Billing Info | Attachments | Certification | Print | Status History | Linked Users

Facility Operator Information Populate Contact Info:

Owner Name: <input type="text" value="Test Owner Company"/> *?	Contact First Name: <input type="text" value="John"/> *
Street Address: <input type="text" value="1001 I Street"/> *?	Contact Last Name: <input type="text" value="Success"/> *
Address Line 2: <input type="text"/>	Title: <input type="text"/>
City/State/Zip:: <input type="text" value="Sacramento"/> <input type="text" value="CA"/> <input type="text" value="95814"/> *?	Phone: <input type="text" value="866-563-3107"/> * Ext: <input type="text"/> (999-999-9999)
Type: <input type="text" value="City/Town Agency"/> ?*?	E-mail: <input type="text" value="potsuji@waterboards.ca.gov"/> *(abc@xyz.com)
Federal Tax ID: <input type="text"/>	

Fields marked with * are mandatory fields.

Using SMARTS – Annual Report

Water Boards Storm Water Multiple Application & Report Tracking System

[Help](#)

[Logout](#)

You are logged-in as: **Storm Water Admin - Storm Water Test Account.**
If this account does not belong to you, please log out.

Navigate To:

Welcome to Storm Water Multiple Application Reporting and Tracking System - SMARTS

Industrial Permit Menu

[New NOI Application](#)

[Active NOIs](#)

[Pending NOIs/NOTs](#)

[Terminated NOIs](#)

[Annual Reports](#)

[Back to Main Menu](#)

Outstanding Annual Reports:

Application ID WDID	Permit Type	Status	Report Period	Owner/Operator	Site/Facility	Required?
783717 8 36MR000046	Region 8 - Scrap Metal Permit	Not Submitted	07/01/2013- 06/30/2014	Test Owner Company 1001 I Street Sacramento CA 95814	tetsing 123 test street Crestmore CA 95630	Y
768408 5S34I023656	Industrial	Not Submitted	07/01/2011- 06/30/2012	Test Owner Company 1001 I Street Sacramento CA 95814	Test Industrial Facility 1001 I Street Sacramento CA 95814	N

First Prev Next Last Current Page:1 Total Pages:1

[Annual Report Search](#)

Using SMARTS – Annual Report

Water Boards Storm Water Multiple Application & Report Tracking System

[Help](#)

You are logged-in as: **Storm Water Admin - Storm Water Test Account.**
If this account does not belong to you, please log out.

Navigate To:

Storm Water Annual Report Monitoring (SWARM)

Facility Name:	Test Industrial Facility	Agency:	Test Owner Company
WDID ID:	5S34I023656	SIC Code(s):	9999-Nonclassifiable Establishments
Reporting Period	2011-12 Change Period	Report Status:	Not Submitted

[General Info](#) [Sampling](#) [Mon Locs](#) [Raw Data](#) [Data Summary](#) [Quarterly](#) [Monthly](#) [Evaluation](#) [Attachments](#) [Certify](#) [Status History](#) [Back To NOI Summary](#)

A. Facility Information (Read-Only)

In order to change the information of an NOI, please click the link - [Click here to go to NOI screens](#)

Facility Business Name:	Test Industrial Facility	Facility Contact:	John Success
Facility WDID No:	5S34I023656	E-Mail:	potsuji@waterboards.ca.gov
Physical Address:	1001 I Street	Phone:	866-563-3107
City:	Sacramento	Standard Industrial Classification (SIC) Code(s):	9999-Nonclassifiable Establishments
State:	CA	Zip:	95814

Using SMARTS – Annual Report

Water Boards Storm Water Multiple Application & Report Tracking System

[Help](#)

You are logged-in as: **Storm Water Admin - Storm Water Test Account.**
If this account does not belong to you, please log out.

Navigate To:

Storm Water Annual Report Monitoring (SWARM)

Facility Name:	Test Industrial Facility	Agency:	Test Owner Company
WDID ID:	5S34I023656	SIC Code(s):	9999-Nonclassifiable Establishments
Reporting Period	2011-12 Change Period	Report Status:	Not Submitted

[General Info](#) [Sampling](#) [Mon Locs](#) [Raw Data](#) [Data Summary](#) [Quarterly](#) [Monthly](#) [Evaluation](#) [Attachments](#) [Certify](#) [Status History](#) [Back To NOI Summary](#)

Before certifying your Annual Report, the system must verify that all required sections have been completed. To perform this check, click the button below:

[Perform Completion Check](#)



Section III Discharge Prohibitions

Unauthorized non-storm water discharges (NSWDs)

Violations to water quality control plans

Discharges to Areas of Special Biological Significance (ASBS) without an exception

Discharges containing hazardous substances and other pollutants

Section IV Authorized NSWs (if meet IV.B conditions)

1. Fire-hydrant, and fire prevention or response system flushing
2. Potable water sources including potable water related to the operation, maintenance, or testing of potable water systems
3. Drinking fountain water and atmospheric condensate including refrigeration, air conditioning, and compressor condensate
4. Irrigation drainage and landscape watering (pesticides, herbicides and fertilizers have been applied in accordance with the manufacturer's label)
5. Uncontaminated natural springs, groundwater, foundation drainage, footing drainage
6. Seawater infiltration
7. Incidental windblown mist from cooling towers

Section V Effluent Limitations

Best Management Practices to comply with BAT/BCT

Storm Water Effluent Limitation Guidelines – Subchapter N

Total Maximum Daily Loads

Section VI Receiving Water Limitations

Discharges and Authorized NSWDS – cannot cause or contribute to exceedance of an applicable water quality standard, adverse effects human health/environment, quantities threaten cause pollution or a public nuisance

QISP Training

Training Module	Online	Class-room
In-class questions on on-line content		1 hr
Introduction and Background	0.5 hr	0.5 hr
Permit Requirements	1.5 hr	
Storm Water Multiple Application and Report Tracking System (SMARTS)	2 hr	
Storm Water Pollution Prevention Plan (SWPPP) Elements	2 hr	
Best Management Practices (BMPs)	4 hr	1 hr
Exceedance Response Actions (ERAs)	2 hr	2 hr
Monitoring and Inspections	3 hr	1 hr
Special Requirements	1 hr	0 hr
In-class TOR discretionary time		1.5 hr
Total Time	16 hr	7 hr

Online Training



CALIFORNIA WATER BOARDS QISP ONLINE TRAINING MODULE

JOHN DOE [LOG OUT](#)

[DASHBOARD](#)

[CLASSROOM](#)

[TESTS](#)

[RESOURCES](#)

Module 5: BMP Categories

Please watch the video below about the different categories of BMPs, or Best Management Practices. Pay close attention, as there will be a test at the end of this class. You may wish to take notes - please use the form below. Also, don't forget to download the course guide PDF, available [here](#).



Notes...

Module Duration

- Online/internet based
 - 16 hours of training
 - 8 modules
 - Videos, PowerPoint, pdfs, and outside weblinks
 - Learning quizzes and a final exam
- Classroom Practicum



Module 5: BMP Categories

2

*Information from IGPTT -
John Teravskis*

Section X SWPPP

Industrial materials, potential pollutant sources and assessment, BMP descriptions

7 Minimum BMP categories, intended to be more operational types (e.g. good housekeeping)

Advanced BMPs – Exposure minimization (structural), Containment and Discharge reduction BMPs (*Encouraged to utilize infiltration or reuse BMPs), and Treatment Control BMPs

Temporary suspension of industrial activities *can suspend monitoring if “infeasible” and justification required

Design Storm Standards for Treatment Control BMPs (volume and flow based) applies to Advanced BMPs

Monitoring Implementation Plan

Section XI Monitoring

Visual observations (monthly, sampling events)

Qualified Storm Event

2 samples required 7/1-12/31 and 2 samples required 1/1-6/30

Sampling Parameters (basic parameters, SIC Code, 303(d)-Appendix 3* etc)

Sampling data electronically reported – 30 days from lab

pH screening available

Alternative Discharge Locations

Representative Sampling Reduction

Qualified Combined Samples

Monitoring exceptions during dangerous weather conditions or outside facility operating hours

Sample Frequency Reduction

Federal Storm Water Effluent Limitation guidelines

Section XIII Inactive Mining Operation Certification

SWPPP signed by a California licensed professional engineer

Certification relieves facility from monitoring, ERAs and Annual Reporting requirements

Submitted electronically, annual inspect and recertify

Significant changes to the facility require a California licensed professional engineer to sign off on the changes.



Section XV Annual Comprehensive Facility Compliance Evaluation (Annual Evaluation)

Annual Evaluation each Reporting year (July 1-June 30th)

Inspection of industrial and drainage areas

Inspection of equipment and BMPs

Effectiveness assessment

Section XVI Annual Report

Due electronically July 15th of each Reporting Year

Checklist only part submitted, explanations required

SWPPP revisions citations and the date of the Annual Evaluation

Section XIX Regional Water Board Authorities

Section outlines the authorities given to the Regional Water Boards to request additional information on compliance documents, require permit coverage, enforce provisions and *requires any request that modifies the Discharger's obligations be in writing

Section XX Special Conditions

A. Reopener Clause for TMDLs

B. Water Quality Based Corrective Actions – Actions required if discharges are in violation of receiving water limitations

C. Notice of Non-Applicability “No Discharge” Person(s) defined in 13399.30 of the Water Code

“Technical Report” signed by a California licensed professional engineer

Section XXI Standard Conditions

Basic conditions applicable to Dischargers and the Permit
(e.g. Duty to Comply or Duty to Provide Information)

ATTACHMENTS AND APPENDICES

Attachment A Facilities Covered

Attachment B Acronyms

Attachment C Glossary

Attachment D Permit Registration Documents (PRDs)

Attachment E TMDL Implementation

Attachment F Effluent Limitation Guidelines (ELGs)

Attachment G Discharges to ASBS

Attachment H Sample Collection and Handling Instructions

Appendix 1 SWPPP Checklist

Appendix 2 NEC Instructions

Appendix 3 Waterbodies with Clean Water Act section 303(d)

Listed Impairments

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