6. Construction Site Monitoring and Reporting

Monitoring under the CGP

Visual BMP Inspections

Visual Monitoring:

- Qualifying storm events
- Non-stormwater discharges

Sampling and Analysis:

- Runoff
- Non-stormwater discharges
- Receiving waters
- Contained runoff
- ATS discharges

Optional Monitoring: Run-on characterization

Bioassessment Monitoring

Weather and Precipitation Tracking

- **On-site rain gauge -** site specific information
  - Installation and reading guidance: http://www.waterboards.ca.gov/water_issues/programs/swamp/cwt_guidance.shtml
- **Nearby governmental rain gauges –** support on-site rain gauge

Track NOAA forecast daily and document

- http://www.srh.noaa.gov/

Construction Site Monitoring Program (CSMP)

Traditional Construction Sites

Developed & Amended by QSD as part of the SWPPP]

Implemented by QSP

Identify risk level monitoring requirements from CGP

Address weather and rain event tracking

Identify monitoring locations

Identify safety factors

Identify frequencies for visual monitoring, sampling and analysis

Identify monitoring triggers

Identify quality assurance and quality control

Identify reporting and record retention requirements

Identify if watershed monitoring option has been approved

Monitoring and Reporting Program (M&RP)

Linear Underground/Overhead Projects

Developed & Amended by QSD as part of the SWPPP]

Implemented by QSP

Identify risk level monitoring requirements from CGP

Address weather and rain event tracking

Identify monitoring locations

Identify safety factors

Identify frequencies for visual monitoring, sampling and analysis

Identify monitoring triggers

Identify quality assurance and quality control

Identify reporting and record retention requirements

Identify if watershed monitoring option has been approved

Visual Monitoring

BMP Inspections

- **Routine –** Weekly (some BMPs may require more inspections)
- **Rain Event Triggered** – Every 24 hours during extended rain events.
- Initiate corrective actions within 72 hours of identification
- Amend SWPPP as needed.
- **Inspection Checklist** - Documentation

Visual Site Monitoring

- **Qualifying Rain Event Triggered –** Rain event that produces 0.5" or more of precipitation with a period of 48 hours or more between rain events.
  - Pre-rain event within 48 hours prior predicted
  - Post-rain within 48 hours after conclusion.
  - Conducted during normal construction site business hours.

Visual Monitoring

Visual Site Monitoring (cont'd)

- Records of inspections and weather forecasts must be maintained and must include:
  - Personnel conducting inspections
  - Date & Time
  - Weather conditions including rain gauge readings
  - Observations
  - Corrective actions, if any
- LUP visual site monitoring requirements vary - Review Attachment A of the CGP

Non-Stormwater Inspections

- **Routine –** quarterly inspections of all project drainage areas
  - Detect unauthorized non-stormwater discharges
  - Observe authorized non-stormwater discharges

Visual Monitoring

Non-Stormwater Inspections (cont'd)

- Document in an Inspection Checklist
  - Presence or indication of authorized or unauthorized non-stormwater discharge and the source.
  - Pollutant characteristics
  - Personnel performing inspection
  - Date & Time of inspection
  - Observations
  - Corrective actions, if any

Water Quality Sampling and Analysis

For demonstration of compliance with NALs

- Requirements will vary between Risk Levels and LUP Types
- Sampling triggered by Qualifying Rain Event and must be conducted during normal construction site business hours.
  - **Qualifying Rain Event**: Rain event that produces 0.5" or more of precipitation with a period of 48 hours or more between rain events.

Non-Visible Pollutant Monitoring

- **Trigger –** Potential for non-visible pollutants to be discharged from site.
  - Typically associated with BMP failure or spill
- **Samples** – Collected within two hours of start of discharge from the site. Sampling Locations:
  - Runoff from area affected by spill or BMP failure
  - Runoff from area not affected by spill or BMP failure
- All project sites must have a plan to conduct non-visible pollutant monitoring regardless of Risk Level and LUP Type.

Effluent Sampling

- Applies to Risk Level 2 & 3, and LUP Type 2 & 3 projects
- Minimum of 3 samples for each day of discharge
  - Risk 2 & 3: collect samples at all discharge locations.
  - LUP Type 2 & 3: collect samples to characterize discharge associated with all areas of construction.
- Collect samples of contained or stored stormwater from a qualifying rain event at the time of discharge.
- **Turbidity**: Required at sites subject to NALs
- **pH**: Required during phases of construction with high risk of pH discharge.
- Other pollutant sampling may be required by Regional Board or where there is a TMDL

Receiving Water Monitoring

- Applies to Risk Level 3, and LUP Type 3 projects where:
  - Site effluent exceeds pH or Turbidity Receiving Water Monitoring Trigger, and
  - Site has a direct discharge to the receiving water
- Turbidity Trigger Exceedance – sample receiving water for turbidity
- pH Trigger Exceedance – sample receiving water for pH
- Sample at locations unaffected by site discharge and affected by site discharge
- Once trigger exceeded, receiving water monitoring continues for the duration of the project.

Direct Discharge

- **CGP Glossary Definition**: A discharge that is routed directly to waters of the United States by means of a pipe, channel, or ditch (including municipal storm sewer system), or through surface runoff.

- **State Board FAQ Clarification:** Discharges from a construction site to a MS4 where commingling with upstream and/or downstream discharges can occure are not considered "direct discharges."

http://www.waterboards.ca.gov/water_issues/programs/stormwater/gen_const_faq.shtml#29

Conditional/Optional Monitoring

- Risk Level 2 & 3 and LUP Type 2 & 3 may monitor run-on if there is reason to believe it is contributing to an NAL or Receiving Water Trigger exceedance.

  - Monitor stormwater that runs onto the construction site for all required constituents.
  - Provides information on background quality of water.

Monitoring Safety Exception

- **Monitoring is not Requried:**
  - during dangerous weather conditions
  - when the site/sampling locations are unsafe to access due to the storm event
  - Outside of scheduled site operation hours

- Sampling locations need to be selected with due consideration of safe wet-weather access
- Monitoring not completed due to safety factors must be documented and reported.

Identifying Monitoring Locations

- The QSD will identify locations for visual monitoring and water quality sampling and analysis.
- **Locations will differ based on:**
  - type of monitoring
  - where the activity occurs
  - where discharge leaves the site
  - where run-on enters the site
- The monitoring locations will be identified on the site map included in the SWPPP

Receiving Water Monitoring Locations

- Sample the receiving water:
  - upstream of the construction site (background)
  - downstream of the construction site (affected)
- Selecting locations in a lake, bay, or lagoon requires more information.
- Sampling locations must be identified on a map and field verified
- Location identification considerations:
  - away from bank
  - avoid stagnant or sluggish water
  - sample in main flow current
  - safety
  - tidal influence

Water Quality Parameters

- **pH** – measure of the acidity/basicity of water
  - measured on a scale of 0 – 14
  - expressed in pH units
  - Field or lab measurement

- **Turbidity** – The measure of light scattering properties of water caused by suspended matter
  - expressed in nephelometric turbidity units (NTU)
  - Field or Lab measurement

- **Non-visible Pollutants** – pollutants that would not be detected during visual inspections
  - Typically will require lab measurement

Sampling Methodologies

- **Grab Samples –** Single sample collected at a particular time and place that represents the composition of the water
- **Representative Samples** – Capture flow of runoff stream
- **Automatic Sensor Monitoring**

- **In Stream Measurements** – Discrete measurement at a particular time and place that represents the composition of the water at that time and place.

Meter Selection Considerations

- Meet measurement quality objectives
- Calibration ability
- Designed for field and long term use
- User friendly
- Detailed operating manual with troubleshooting guide
- Customer support
- Cost

Turbidity Measurements

- Follow manufacturer's manual for operation
- Sample must be representative of the discharge
- Take several measurements during each sampling event
- Measurement Cautions:
  - no gas bubbles trapped in vial
  - clean/clear outside vial
  - obtain reading before particles settle
  - recalibrate with different standard if readings are outside calibration standard limits.

pH Measurements

- Test Kits – check pH range
- Calibrate with manufacturer provided buffer solutions
- Allow probe to equilibrate for at least 1 minute before pH is recorded
- Review storage requirements and shelf life of meters and probes
- Measurement Cautions:
  - Out-gassing or settling of charged clay particles
  - Review manufacturer trouble shooting guide

Lab Analysis

- Analyses conducted by State-certified analytical laboratories:
  - Non-visible pollutants
  - Non-stormwater discharges
  - Other parameters required by Regional Boards or TMDLs
- State certified labs can be found through the Environmental Laboratory Accreditation Program http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx
  - Lab has undergone a rigorous demonstration of proper analytical procedures
  - Meets precision and accuracy requirements
  - Provides required level of quality assurance and quality control for analysis and data management

Analytical Methods

- Methods for NPDES permit sampling specified by USEPA
  - CWA Section 304(h) Part 136
  - http://www.epa.gov/waterscience/methods/method/

- Detection Terms:
  - **Method Detection Limit (MDL):** Minimum concentration of an analyte that undergoes the entire measurement process and can be reported with a stated level
  - **Reporting Limit (RL):** Minimum value below which data are documented as non-detected
  - **Detected But Not Quantified (DNQ):** Values above the MDL and below the RL

Quality Assurance and Quality Control (QA/QC)

- System of procedures, checks, audits, and corrective actions to ensure that environmental monitoring and sampling, and reporting activities are of the highest achievable quality. (US EPA)
- An integrated system of management activities (planning , implementation, assessment, reporting, and quality improvement) that focuses on providing confidence in the data or product by ensuring that it is of the type and worth needed and expected by the client. (SWAMP QAPrP)

Construction QA/QC

- **Field Logs** – Written documentation of monitoring event
  - Date and Time
  - Personnel
  - Container labels
  - Type of samples collected
  - Abnormalities
- **Clean Sampling Techniques** – To prevent inadvertent contamination
  - No eating, drinking or smoking during sample collection
  - Do not collect sample near a vehicle
  - No coughing, sneezing or breathing over open sample container.

Construction QA/QC

- **Chain of Custody** – Tracks samples from collection through data reporting
  - Samples by unique identifier on sample container label
  - Date and time of sample collection
  - Required analyses
  - Other instructions for laboratory.
- **Data Verification** – Process to review data to ensure completeness and accuracy
  - Ensure data is complete, accurate, and QA/QC requirements were met
  - Conduct verification as soon as possible

Sampling Preparation

- Confirm access to sample site
- Gather equipment needed
- Clean/calibrate sampling equipment
- Pre-label and organize sample bottles
- Prepare field log sheet
- Prepare chain-of-custody forms
- Plan sample pick-up or delivery to laboratory

Sample Handling

- Collect samples in lab provided containers
- Use clean powder-free nitrile gloves
  - Change gloves when something not known to be clean is touched
  - Only clean hands touch inside bags, bottles, buckets, and tubing
- Decontaminate all equipment
  - Use TSP-water wash and triple rinse with deionized water
  - Don't rinse containers with preservatives
  - Collect and dispose wash and rinse water properly
- Cap containers immediately and dry outside

Sample Handling

- Carefully package in coolers with ice
- Secure cooler lid with packing tape
- Maintain samples between 0-6 degrees celsius
- Ship or deliver to laboratory Immediately
  - Samples must be received within hold time, within 48 hours, or as required by the laboratory (whichever is less)
  - Hold time starts when the sample is collected.

Interpreting Results

- Compare your results with the appropriate limits for the project
  - NALs: Turbidity 250 NTU; pH 6.5 – 8.5
  - Receiving Water Monitoring Trigger: Turbidity 500 NTU; pH 6.0 - 9.0
- Initiate required reporting
- Receiving Water:
  - Compare data from downstream location to upstream location.
  - Look for significant increases due to site runoff or other potential sources.
- Non-Visible Pollutants:
  - Compare data from affected location to background
  - Initiate corrective actions if needed.

ATS Monitoring

- Any system that uses chemical coagulation, chemical flocculation, or electro-coagulation to reduce turbidity
  - Typically has basins, pumps, and filtration units
- Attachment F – ATS Monitoring Requirements
- Monitoring Sampling and Reporting Plan (MSRP)
  - Developed by ATS designer as part of CSMP or M&RP
  - Type of ATS will determine monitoring requirements (flow through or batch treatment)
- Visual Monitoring
  - Designated responsible person on-site at all operation times
  - Daily visual inspections (recorded)

ATS Monitoring

- Chemical Residual & Toxicity Tests
  - required for ATS effluent to demonstrate no chemical toxicity
  - Chemical residual tests (field) or toxicity tests (lab)
- If there is no acceptable residual test for a chemical, then the ATS must operate as batch treatment
- Chemical Residual Test:
  - Used with flow through ATS
  - Method validated by State-certified laboratory
  - Field test capable of producing results within one hour of sampling
  - MDL must be 10% or less than the MATC
  - Duplicates sent to contract lab monthly
- MATC: concentration equal to the geometric mean of the No Observed Effect Concentration and the Lowest Observed Effect Concentration.

ATS Monitoring Records

- Data Log – Diary of recordings and observations
- Calibration records for field equipment and instrumentation.
- Results of field chemical residual tests
- Results of all lab analytical tests.
- Reporting:
  - Monthly electronically thorough SMARTS
  - Non-compliance within 24 hours of identification
  - Any Indication of toxicity: Report to appropriate agency.
  - Water Quality Standard Exceedance: report to Regional Board.

ATS Monitoring

- Chemical Residual & Toxicity Tests
  - required for ATS effluent to demonstrate no chemical toxicity
  - Chemical residual tests (field) or toxicity tests (lab)
- If there is no acceptable residual test for a chemical, then the ATS must operate as batch treatment
- Chemical Residual Test:
  - Used with flow through ATS
  - Method validated by State-certified laboratory
  - Field test capable of producing results within one hour of sampling
  - MDL must be 10% or less than the MATC
  - Duplicates sent to contract lab monthly
- MATC: concentration equal to the geometric mean of the No Observed Effect Concentration and the Lowest Observed Effect Concentration.

Bioassessment Monitoring

Required for projects that meet all of the following:

- Rated Risk Level 3 or LUP Type 3
- Directly discharges runoff to a freshwater wadeable stream(s) that is either:
  - Listed by the State Water Board or US EPA as impaired due to sediment, and/or has the beneficial uses of SPAWN & COLD & MIGRATORY
  - Tributary to any downstream water body that is listed for sediment; and/or have the beneficial uses of SPAWN & COLD & MIGRATORY
- Total project-related ground disturbance exceeds 30 acres

Bioassessment Monitoring

- Monitoring is performed by taking samples to measure the population of freshwater benthic macroinvertebrates
  - Animals without backbones that are larger than ½ millimeter
  - Live on rocks, logs, sediment, debris and aquatic plants during some period in their life
  - Includes crustaceans such as crayfish, mollusks such as clams and snails, aquatic worms and aquatic insects.
- Monitoring will be utilized to assess the effect of the project on the biological integrity of the receiving waters.
- Monitoring includes:
  - collection and reporting of specified in-stream biological data
  - collection and reporting of specified in-stream physical habitat data

Bioassessment Monitoring Exception

If construction commences out of an index period for the site location, the discharger shall:

- Receive Regional Water Board approval for the sampling exception
- Make a check payable to: Cal State Chico Foundation (SWAMP Bank Account) or San Jose State Foundation (SWAMP Bank Account) and include the WDID#
- Send a copy of the check to the Regional Water Board office
- Invest 7,500.00 x the number of samples required into the SWAMP program as compensation

Bioassessment Sampling

- Samples to be collected within the sampling index period both:
  - Before ground disturbance, and
  - After the project is completed
- "After" samples collected after at least one winter season resulting in surface runoff after project related activities have completed.
- "Before" and "After" samples collected upstream and downstream of projects discharge.
- Upstream samples should be taken immediately before sites outfall and downstream samples should be taken immediately after outfall.
- Samples should be collected for each identified stream
- Habitat assessment data collected concurrently with all macroinvertebrate samples.

Bioassessment Index Period

- Monitoring not required if construction performed outside of the sampling index period.
- Macroinvertebrate sampling shall be conducted during the time of year (index period) most appropriate for bioassessment sampling, depending on ecoregion.
- Map of bioassessment ecoregions can be found on the State Water Board's website at:

http://www.waterboards.ca.gov/water_issues/programs/stormwater/docs/constpermits/cgp_biomap.pdf

Bioassessment Planning

- Plan for scheduling to allow for Index Period specific sampling
- Hire or use personnel qualified to perform the field sampling for benthic macroinvertebrates per the "Reachwide Benthos (Multi-habitat) Procedure" as well as the full suite of physical characterization
- Use laboratories qualified to perform the analysis per Standard Taxonomic Effort (STE) Level I of the Southwestern Association of Freshwater Invertebrate Taxonomists (SAFIT), and using a fixed-count of 600 organisms per sample
- Have a QA plan in place that covers monitoring that includes requirement for external QA checks
- Budget and schedule for external QA checks to be performed by the CA Department of Fish and Wildlife's Aquatic Bioassessment Laboratory.

Bioassessment Planning

- Plan and budget for samples for each taxon ID to be stored for 3 years after completion of all (laboratory and external) QA evaluations
- External QA checks shall be performed on randomly selected macroinvertebrate samples collected per calendar year or ten percent of the samples per year (whichever is greater).
- An alternate laboratory with equivalent or better expertise and performance may be used if approved in writing by State Water Board Staff.

Bioassessment Data Submittal

- Macroinvertebrate results are to be submitted to the State Water Board in electronic format.
- SWAMP developing standardized formats for bioassessment reporting data (excel format until that time)
- The physical/habitat data shall be reported using the standard format titled SWAMP Stream Habitat Characterization Form – Full Version

Types of Reports

The Paper Work:

Routine Site Inspection Reports

Storm event related Site Inspection Reports

Exceedance Reports

REAP's

Quarterly Non-Storm Water Inspections

Annual Report

Weekly and Storm Event Related Inspection Reports

All Risk Levels

Retain records on site with SWPPP while construction is on going

Maintain an electronic or paper copy of records for three years from the date generated or date submitted, whichever is last.

Shall develop CSMP that is to be included in SWPPP.

LUP Type Dischargers

Shall prepare a M&RP that must be part of the SWPPP

LUP Type 1 shall conduct daily visual inspections.

LUP Type dischargers shall ensure that the Inspection, Maintenance , and Repair checklist remains on site with the SWPPP.

LUP Type 1 shall ensure photos of the site taken before, during, & after storm events are submitted through SMARTS once every three rain events.

LUP Type 2& 3 Daily BMP inspections

Shall maintain a log of inspections in the SWPPP

Shall ensure that records of all storm water monitoring information and copies of reports required by CGP be retained for a period of at least three years.

Shall ensure photos of the site taken before, during, & after storm events are submitted through SMARTS once every three rain events.

Shall ensure that all field and/or analytical data are kept in the SWPPP document.

If the Type 2 or 3 discharger does not collect the required samples or do visual inspections due to an exception, an explanation shall be included in both the SWPPP and Annual Report.

Storm Event Related Inspection Reports

Risk Level 3 & LUP Type 3

Storm Water Effluent Monitoring Requirements

Electronically submit all storm event sampling results to State Water Board no later than 10 days after the conclusion of the storm event.

Rain Event Action Plans

Discharger shall ensure a QSP maintain onsite a paper copy of each REAP in compliance with the record retention requirements of the Special Provisions in the General Permit.

Ensure QSP obtain and retain printed copy of forecast information from National Weather Service .

LUP Type sites are exempt.

NAL Exceedance Report

In the event any effluent sample exceeds an applicable NAL

Risk Level 2 & 3 dischargers shall electronically submit all storm event sampling results to State Water Board no later than 10 days after the storm event.

The Regional Water Boards may require them to submit an NAL Exceedance Report.

All Exceedance Reports must be certified and at minimum include:

- Analytical method(s), reporting units, detection limit(s), parameter
- Date, time of sampling, place, visual observations (inspections), and measurements including precipitation
- Description of the current BMPs associated with the effluent sample that exceeded the NAL and the proposed corrective actions.

Quarterly Non-Storm Water Reports

All Dischargers shall visually observe (inspect) each drainage area for the presence of unauthorized and authorized non-storm water discharges and their sources.

January-March

April-June

July-September

October-December

Document:

- Presence or evidence of Non-storm water discharge (authorized or unauthorized)
- Pollutant characteristic and Source (floating, suspended, sheen, discoloration, odor...)

LUP Type dischargers do not have the Quarterly Non-Storm Water Report Requirement

Quarterly Non-Storm Water Reports

All Risk level dischargers shall maintain on-site records that include

Personal performing inspections

Dates and times inspection occurred

Responses taken to eliminate unauthorized non-storm water discharges

Efforts made to reduce or prevent pollutants contact with non-storm water discharges

Risk level 2 & 3 sites

Shall sample effluent at all discharge point where non-storm water is discharged off site

Shall send all non-storm water sample analyses to a laboratory certified for such analyses by the State Dept of Health Services

Shall monitor & report run on from surrounding areas if it contributes to exceedance of NAL's or Receiving Water Triggers.

Annual Reporting Requirements

All dischargers shall prepare & electronically submit an Annual Report.

- Reporting period is July 1 – June 30 each year.
- Reports Due no latter than September 1st of each year.

The LRP or Approved Signatory shall certify each Annual Report.

Report must be signed by the LRP or a person legally authorized to sign and certify.

The discharger shall retain a copy of Annual Report for a minimum of three years after the date the report is filed

Copies can be electronic or paper

Annual Reporting Requirements

CGP states Annual Report shall include:

1. Summary & evaluation of all sampling & analysis
2. Analytical method(s), reporting units, and detection limits
3. Summary of all corrective actions taken
4. Identification of compliance activities or corrective actions that were not implemented
5. Summary of all violations of the General Permit
6. Names of those who performed inspections and or tested / collected samples
7. Date, time, place of inspections, sampling, measurements including precipitation
8. Visual observation & sample collection exception records

SMARTS

Storm water Multi Application Reporting & Tracking System.

- **Purpose**:
  Provide a platform where dischargers, regulators, and the public can enter, regulate, and/or comment on storm water data including NOIs, NOTs, compliance, and monitoring data.

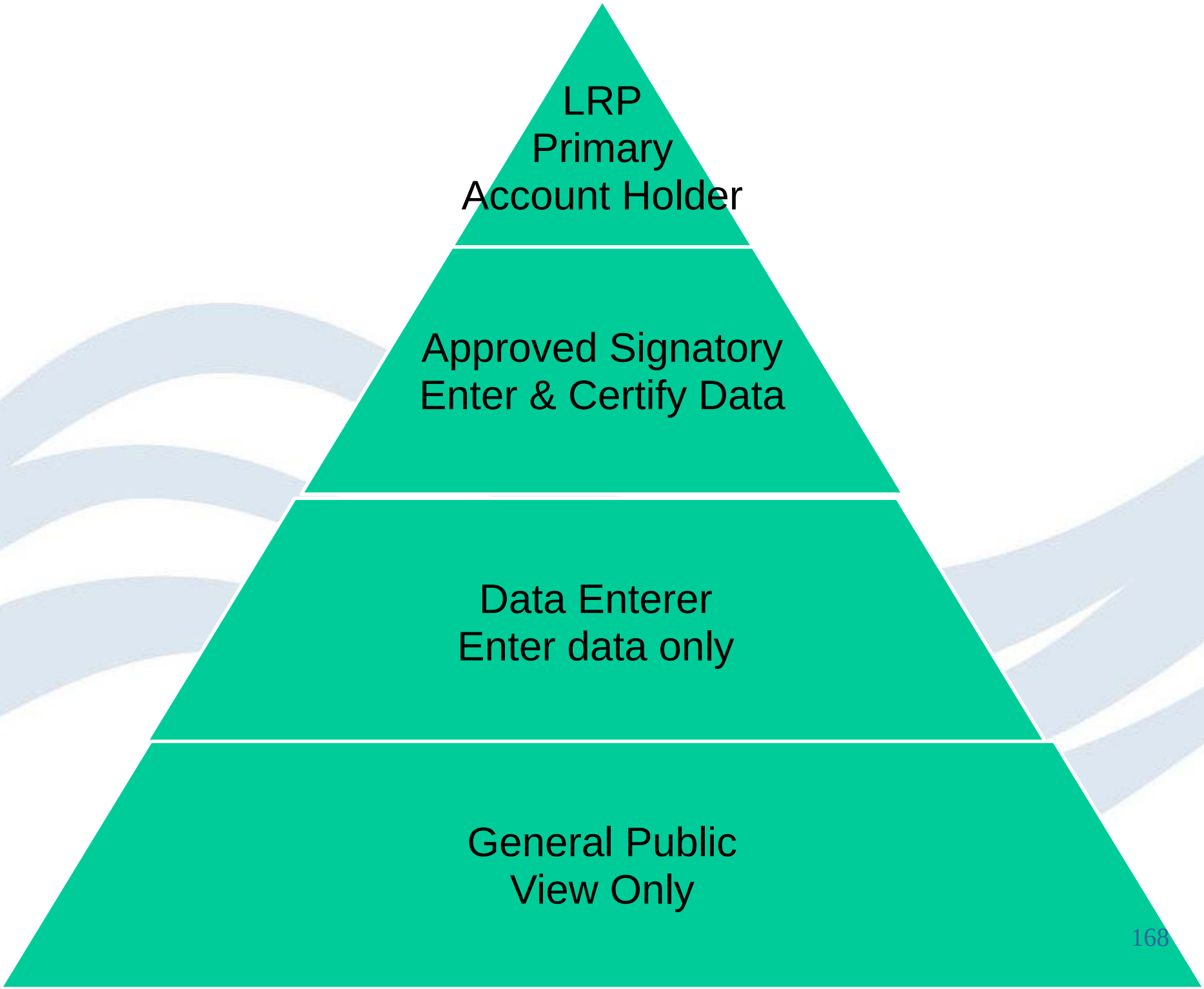
- Internet-based & Available 24/7

- **Reports:**
  NOI, Inspections, Violations, and Enforcement data.

- **Users**:

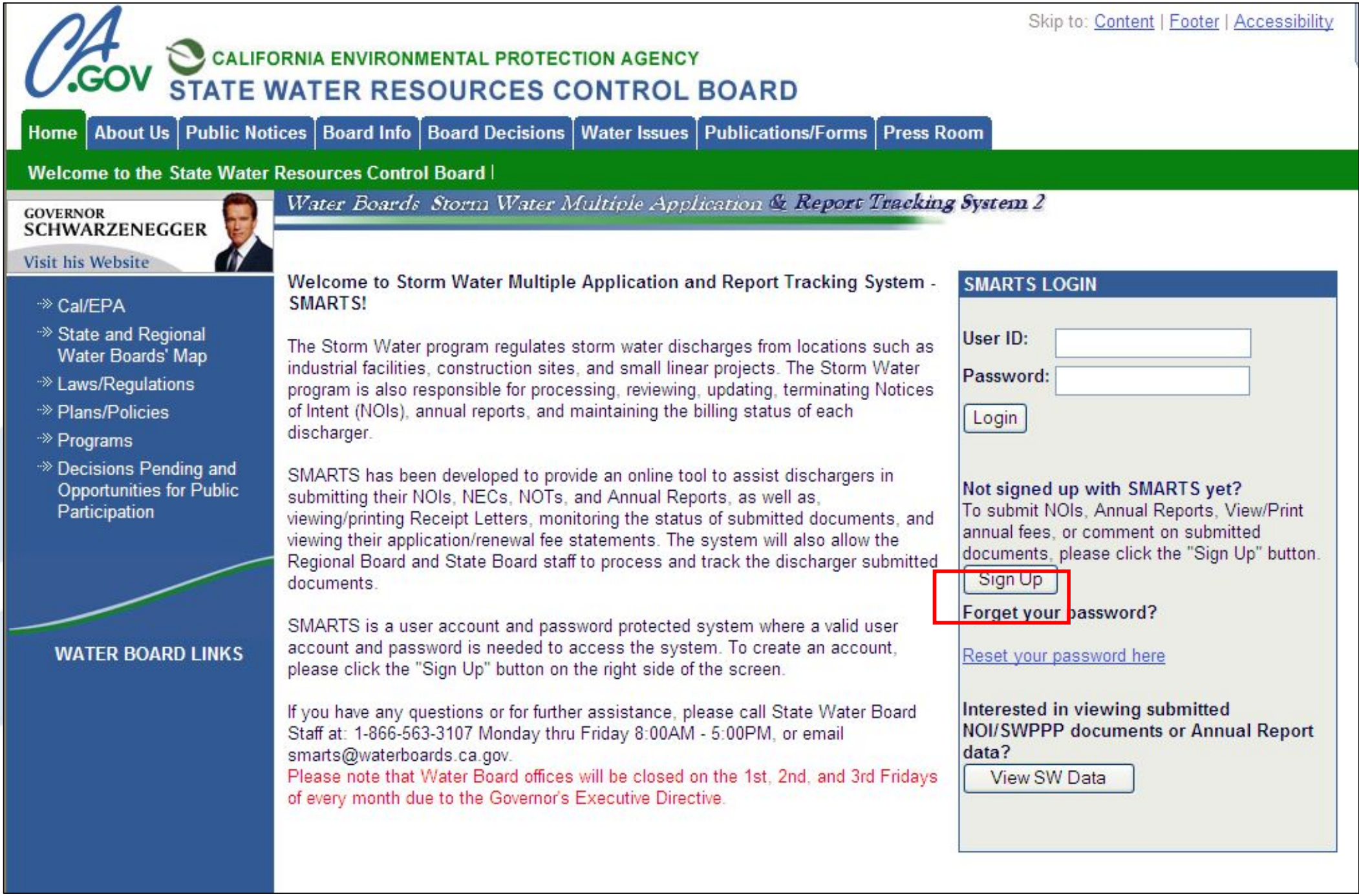
(1) State & Regional Board Staff

(2) External: Legally Responsible Person (LRP), Approved Signatory, Data Enterers and General Public


LRP
Primary
Account Holder
Approved Signatory
Enter & Certify Data
Data Enterer
Enter data only
General Public
View Only

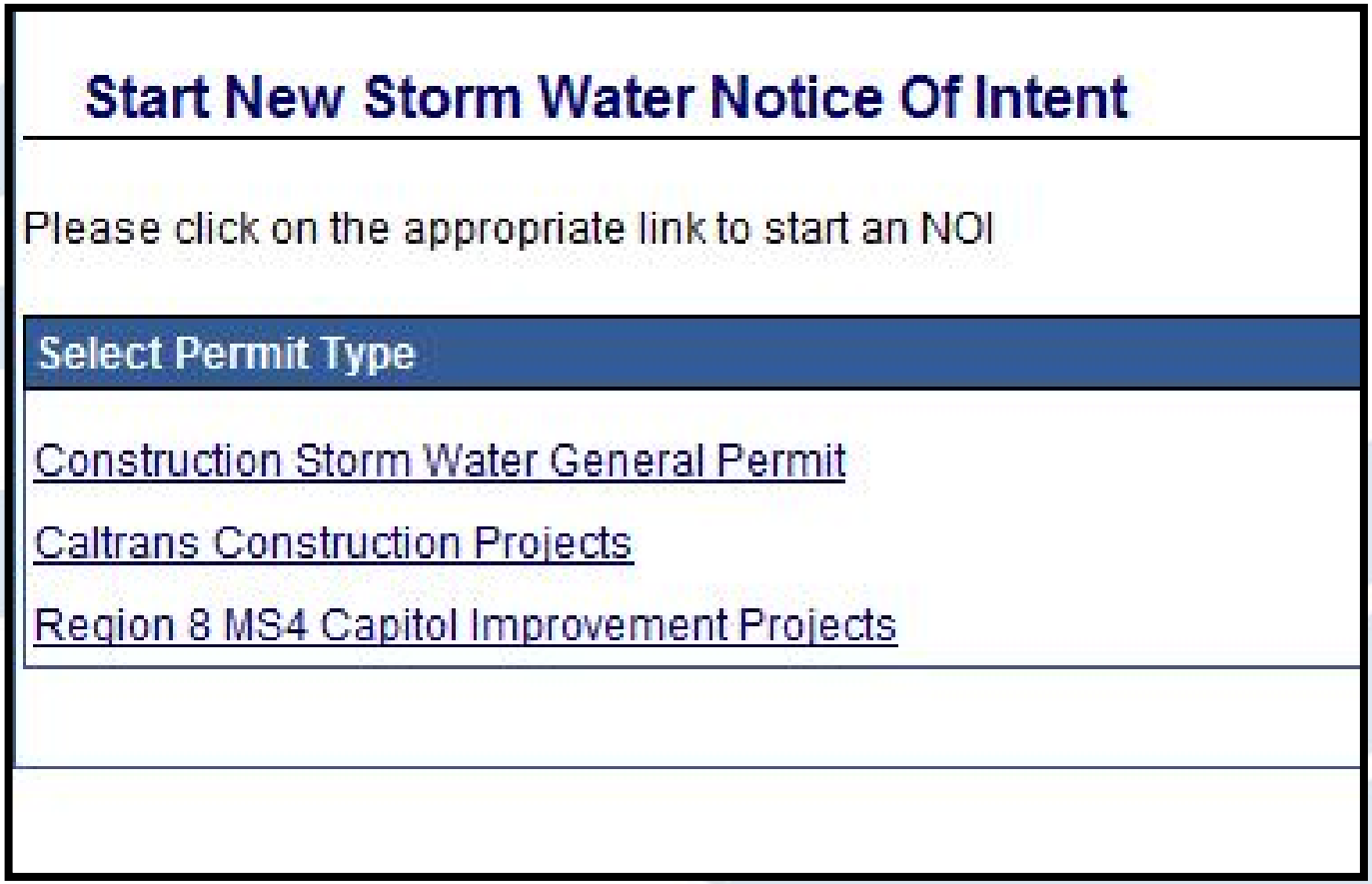
Permit Registration Document (PRD) Process

- Register for SMARTS account
- Link Approved Signatories/Data Enterers
- File new NOIs
- Upload attachments
- Enter Sampling/Monitoring data
- Notice of Termination


Skip to: Content | Footer | Accessibility
CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
STATE WATER RESOURCES CONTROL BOARD
Home
About Us
Public Notices
Board Info
Board Decisions
Water Issues
Publications/Forms
Press Room
Welcome to the State Water Resources Control Board
GOVERNOR SCHWARZENEGGER
Visit his Website
Water Boards Storm Water Multiple Application & Report Tracking System 2
Cal/EPA
State and Regional Water Boards' Map
Laws/Regulations
Plans/Policies
Programs
Decisions Pending and Opportunities for Public Participation
WATER BOARD LINKS
Welcome to Storm Water Multiple Application and Report Tracking System - SMARTS!
The Storm Water program regulates storm water discharges from locations such as industrial facilities, construction sites, and small linear projects. The Storm Water program is also responsible for processing, reviewing, updating, terminating Notices of Intent (NOIs), annual reports, and maintaining the billing status of each discharger.
SMARTS has been developed to provide an online tool to assist dischargers in submitting their NOIs, NECs, NOTs, and Annual Reports, as well as, viewing/printing Receipt Letters, monitoring the status of submitted documents, and viewing their application/renewal fee statements. The system will also allow the Regional Board and State Board staff to process and track the discharger submitted documents.
SMARTS is a user account and password protected system where a valid user account and password is needed to access the system. To create an account, please click the "Sign Up" button on the right side of the screen.
If you have any questions or for further assistance, please call State Water Board Staff at: 1-866-563-3107 Monday thru Friday 8:00AM - 5:00PM, or email smarts@waterboards.ca.gov.
Please note that Water Board offices will be closed on the 1st, 2nd, and 3rd Fridays of every month due to the Governor's Executive Directive.
SMARTS LOGIN
User ID:
Password:
Login
Not signed up with SMARTS yet?
To submit NOIs, Annual Reports, View/Print annual fees, or comment on submitted documents, please click the "Sign Up" button.
Sign Up
Forget your password?
Reset your password here
Interested in viewing submitted NOI/SWPPP documents or Annual Report data?
View SW Data

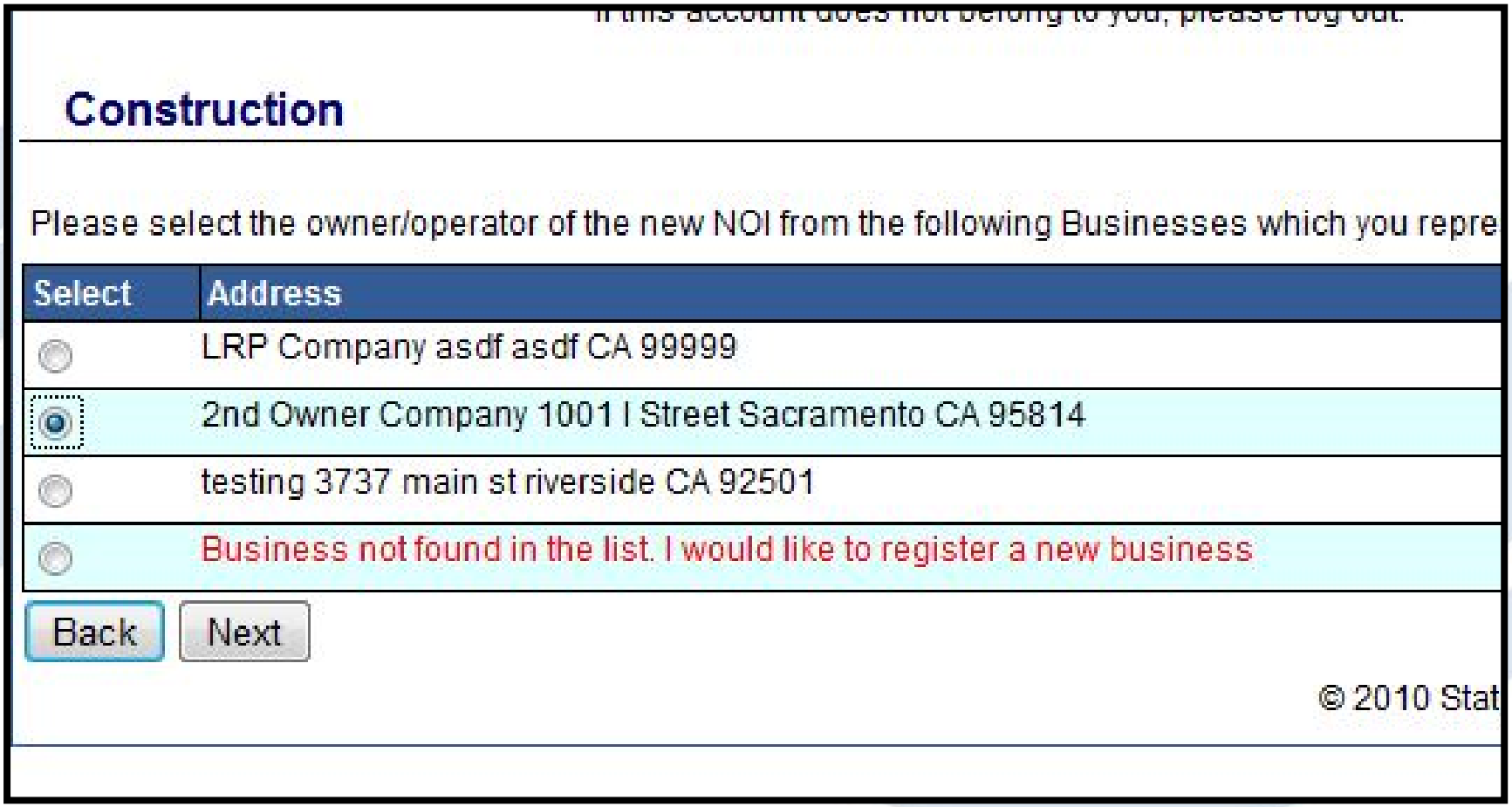
Filing PRDs in SMARTS

Select the Permit Type:



Filing PRDs in SMARTS

Choose the Organization:



Filing PRDs in SMARTS

Owner Information:

NOTICE OF INTENT - Owner Information

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

WDID: Owner: 2nd Owner Company 1001 I Street Sacramento CA 95814 Status: In-Preparation Processed Date: Terminated Date:

Business Type: Construction Site: Certified Date:

Owner Info | Developer Info | Site Info | Addtnl Site Info | Risk | Billing Info | Attachments | Certification | Print | Status History | NOTs

Property Owner Information Populate Contact Info: LEGAL_RESPONSIBLE_PERSON - John Doe

Owner Name:	2nd Owner Company *	Contact First Name:	John *
Street Address:	1001 I Street *	Contact Last Name:	Doe *
Address Line 2:		Title:	
City/State/Zip:	Sacramento CA 95814 *	Phone:	866-563-3107 * Ext: (999-999-9999)
Type:	Private Individual ? *	E-mail:	smarts@waterboarsd.ca.gov *(abc@xyz.com)
Federal Tax Id:			

Save & Exit | Save & Continue

Fields marked with * are mandatory fields.

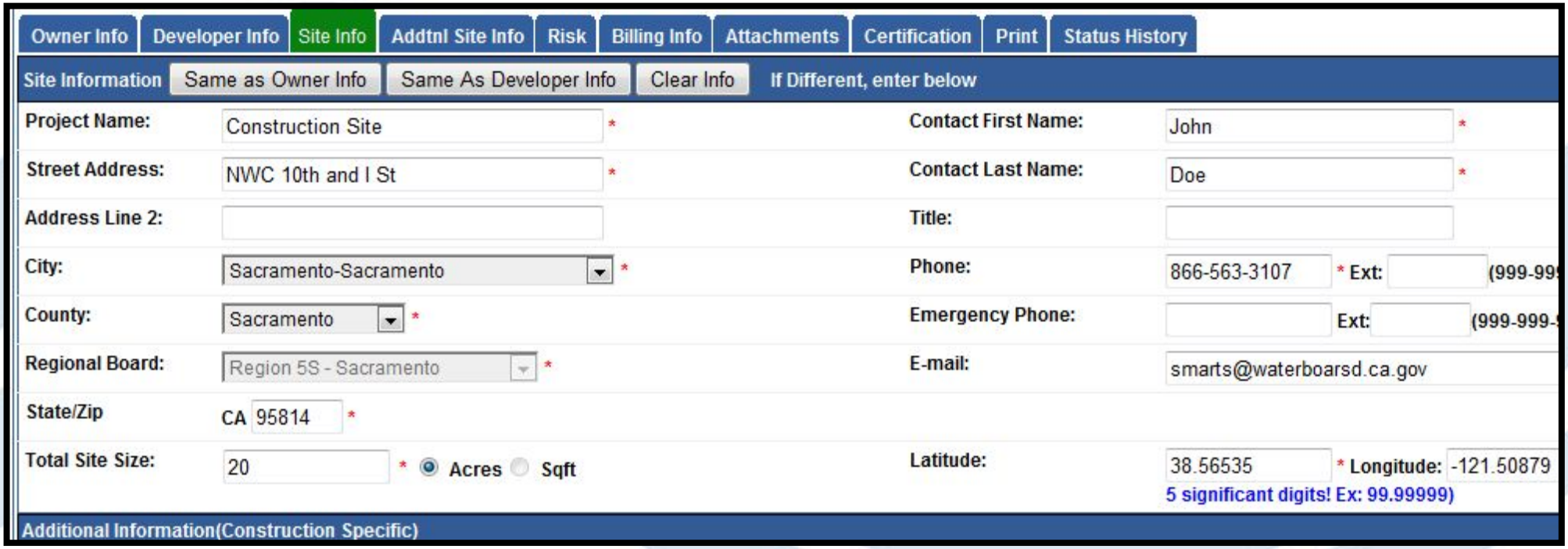
Note: Red Asterisks are mandatory fields

Filing PRDs in SMARTS

Developer Information:

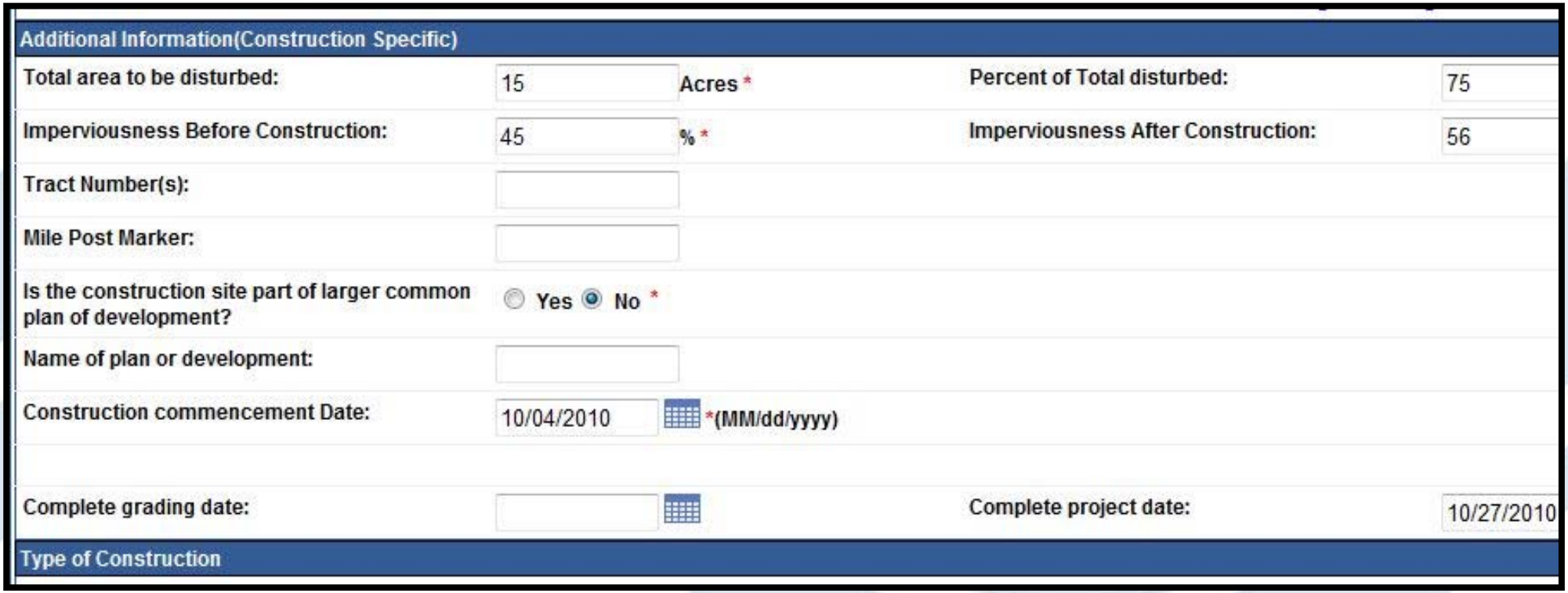
Filing PRDs in SMARTS

Site Information:



Filing PRDs in SMARTS

Site Information:



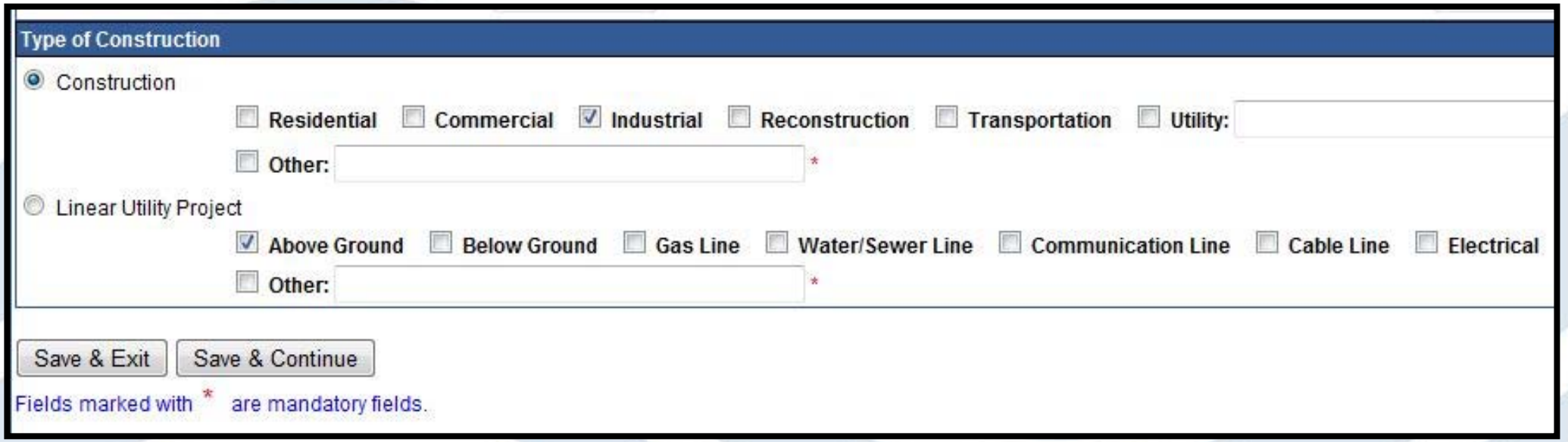
Additional Information(Construction Specific)

Total area to be disturbed:	15 Acres *	Percent of Total disturbed:	75
Imperviousness Before Construction:	45 % *	Imperviousness After Construction:	56
Tract Number(s):			
Mile Post Marker:			
Is the construction site part of larger common plan of development?	Yes No *		
Name of plan or development:			
Construction commencement Date:	10/04/2010 *(MM/dd/yyyy)		
Complete grading date:		Complete project date:	10/27/2010

Type of Construction

Filing PRDs in SMARTS

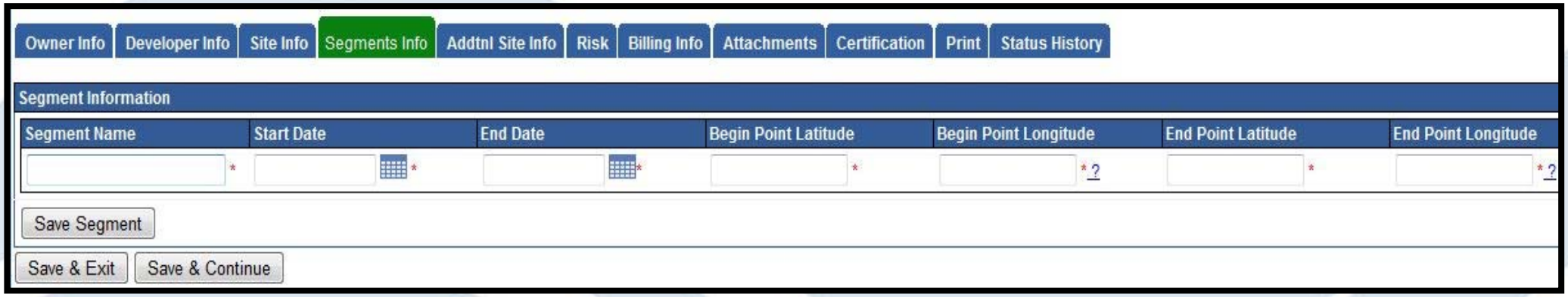
Site Information:



Note: Selecting Linear Utility Project will allow entry of individual segments.

Filing PRDs in SMARTS

Linear Segment:

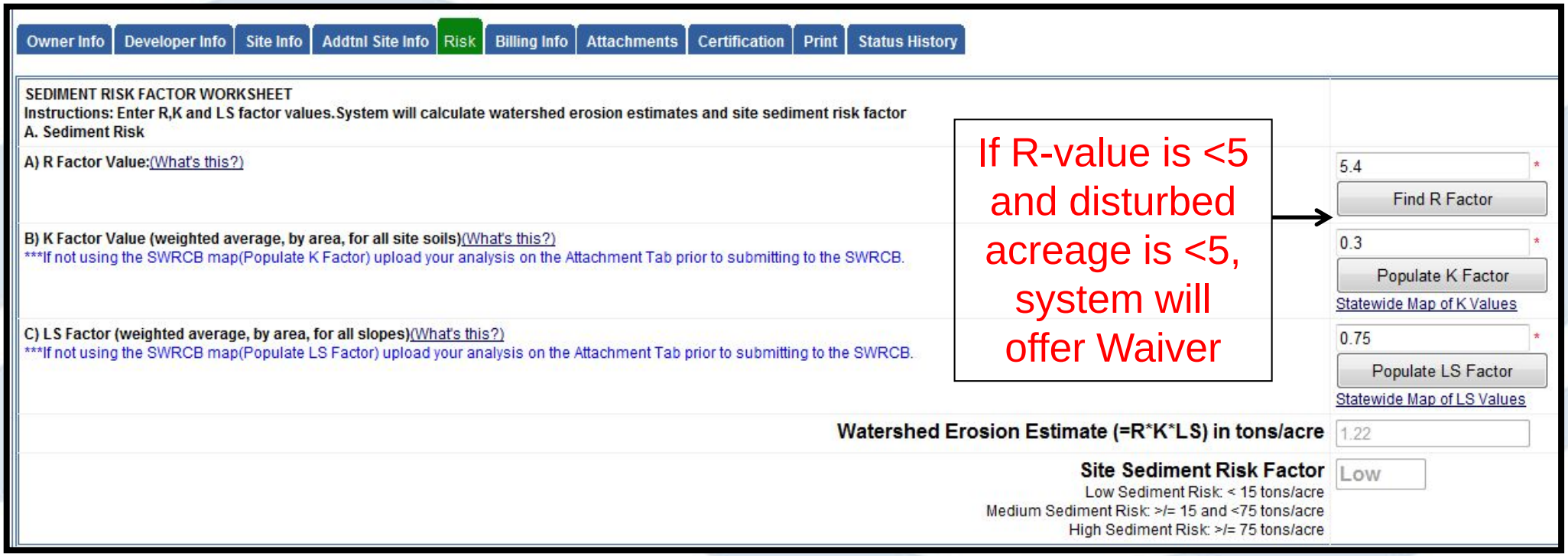


Note: No limit on number of segments entered. Each segment has an associated Risk value.

Filing PRDs in SMARTS

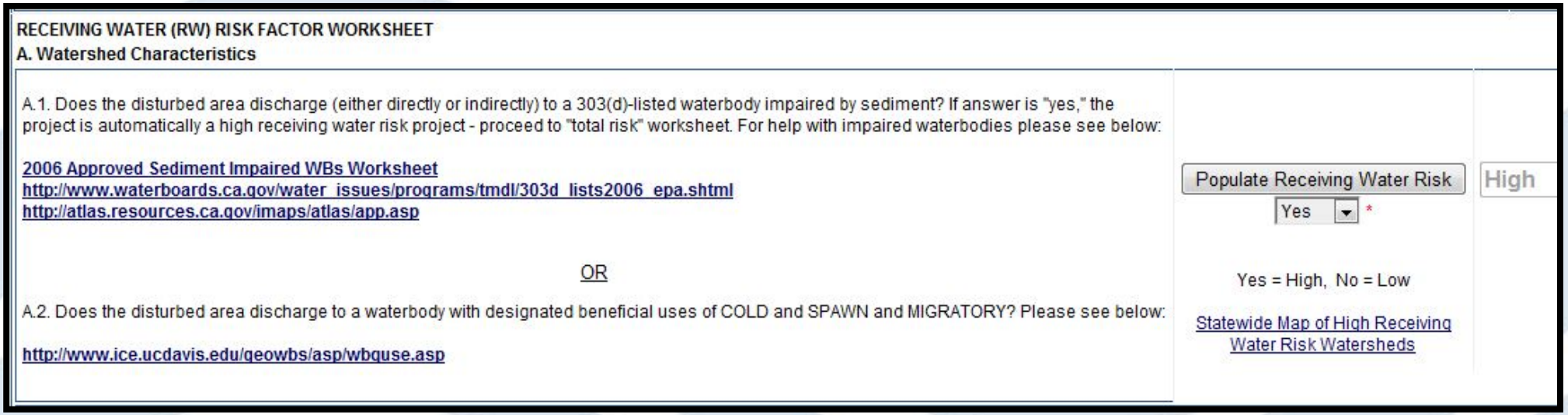
Sediment Risk:

Linear Segments have different Risk Selections.



Filing PRDs in SMARTS

Receiving Water Risk:



RECEIVING WATER (RW) RISK FACTOR WORKSHEET

A. Watershed Characteristics

A.1. Does the disturbed area discharge (either directly or indirectly) to a 303(d)-listed waterbody impaired by sediment? If answer is "yes," the project is automatically a high receiving water risk project - proceed to "total risk" worksheet. For help with impaired waterbodies please see below:

2006 Approved Sediment Impaired WBs Worksheet
http://www.waterboards.ca.gov/water_issues/programs/tmdl/303d_lists2006_epa.shtml
http://atlas.resources.ca.gov/imaps/atlas/app.asp

OR

A.2. Does the disturbed area discharge to a waterbody with designated beneficial uses of COLD and SPAWN and MIGRATORY? Please see below:

http://www.ice.ucdavis.edu/geowbs/asp/wbquse.asp

Populate Receiving Water Risk

Yes *

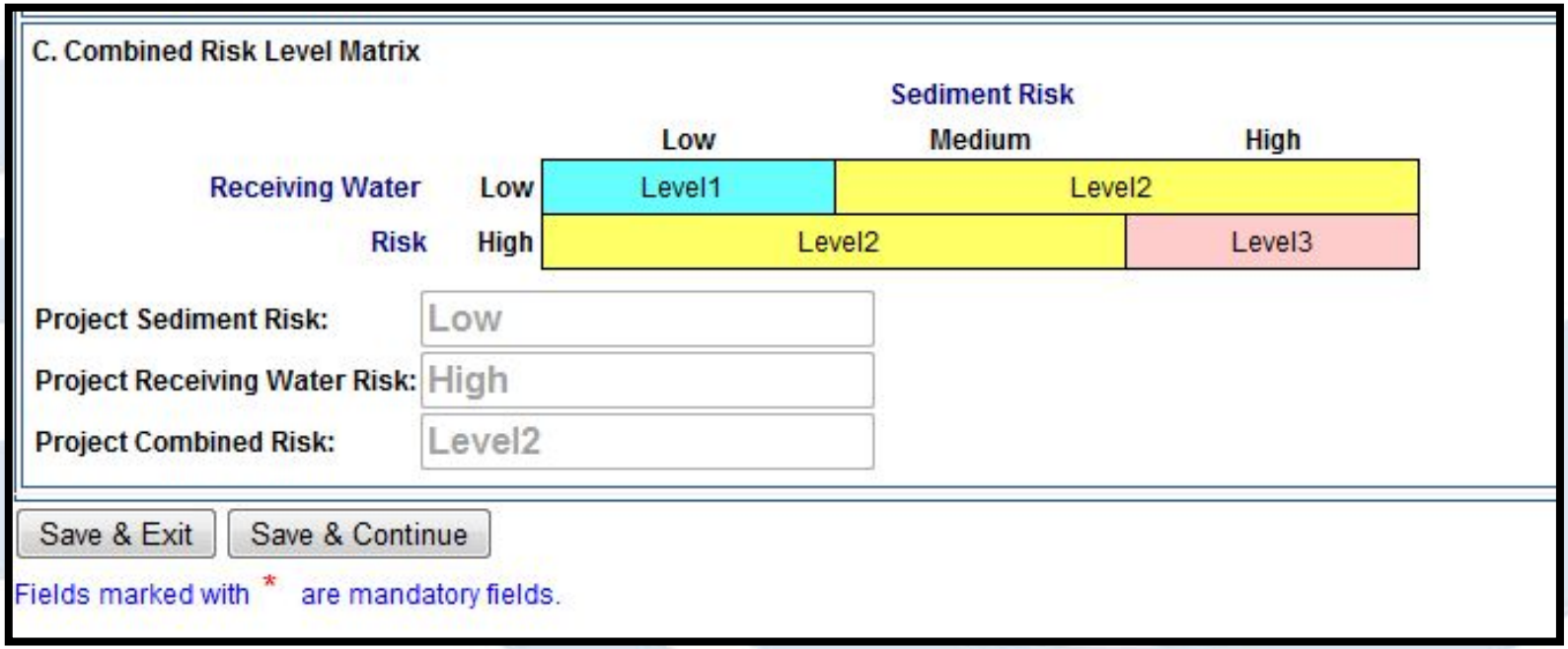
High

Yes = High, No = Low

Statewide Map of High Receiving Water Risk Watersheds

Filing PRDs in SMARTS

Risk Level:


C. Combined Risk Level Matrix

		Sediment Risk: Low	Sediment Risk: Medium	Sediment Risk: High
Receiving Water Risk	Low	Level1	Level2	
	High	Level2		Level3

Project Sediment Risk: Low

Project Receiving Water Risk: High

Project Combined Risk: Level2

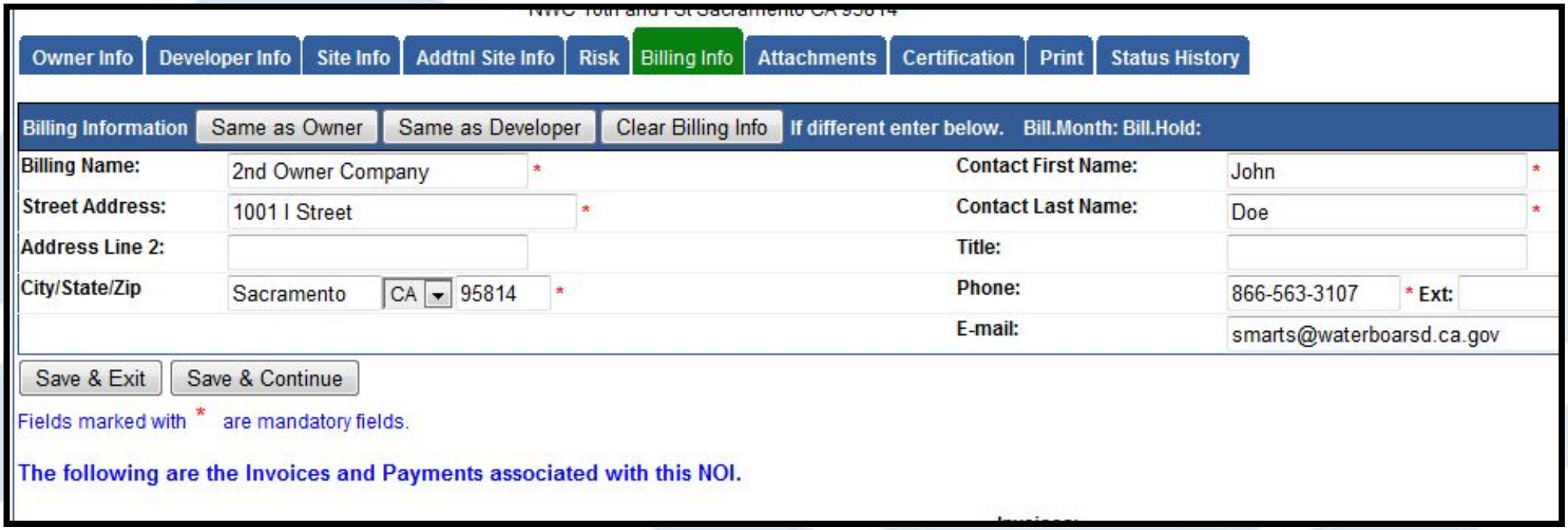
Save & Exit | Save & Continue

Fields marked with * are mandatory fields.

Note: Based on Project Sediment Risk & Receiving Water Risk system determines the site's Risk Level.

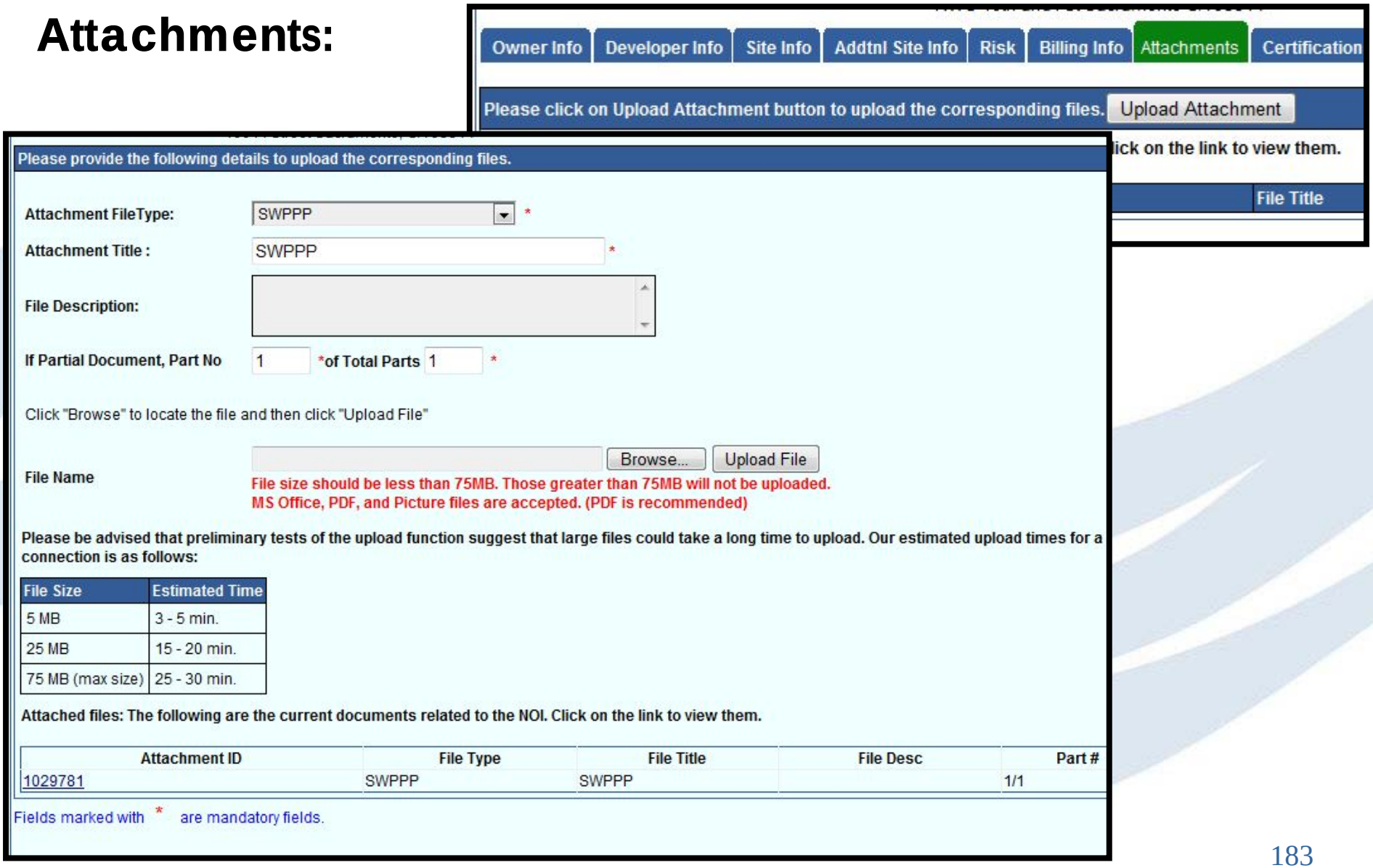
Filing PRDs in SMARTS

Billing Information:



Filing PRDs in SMARTS

Attachments:

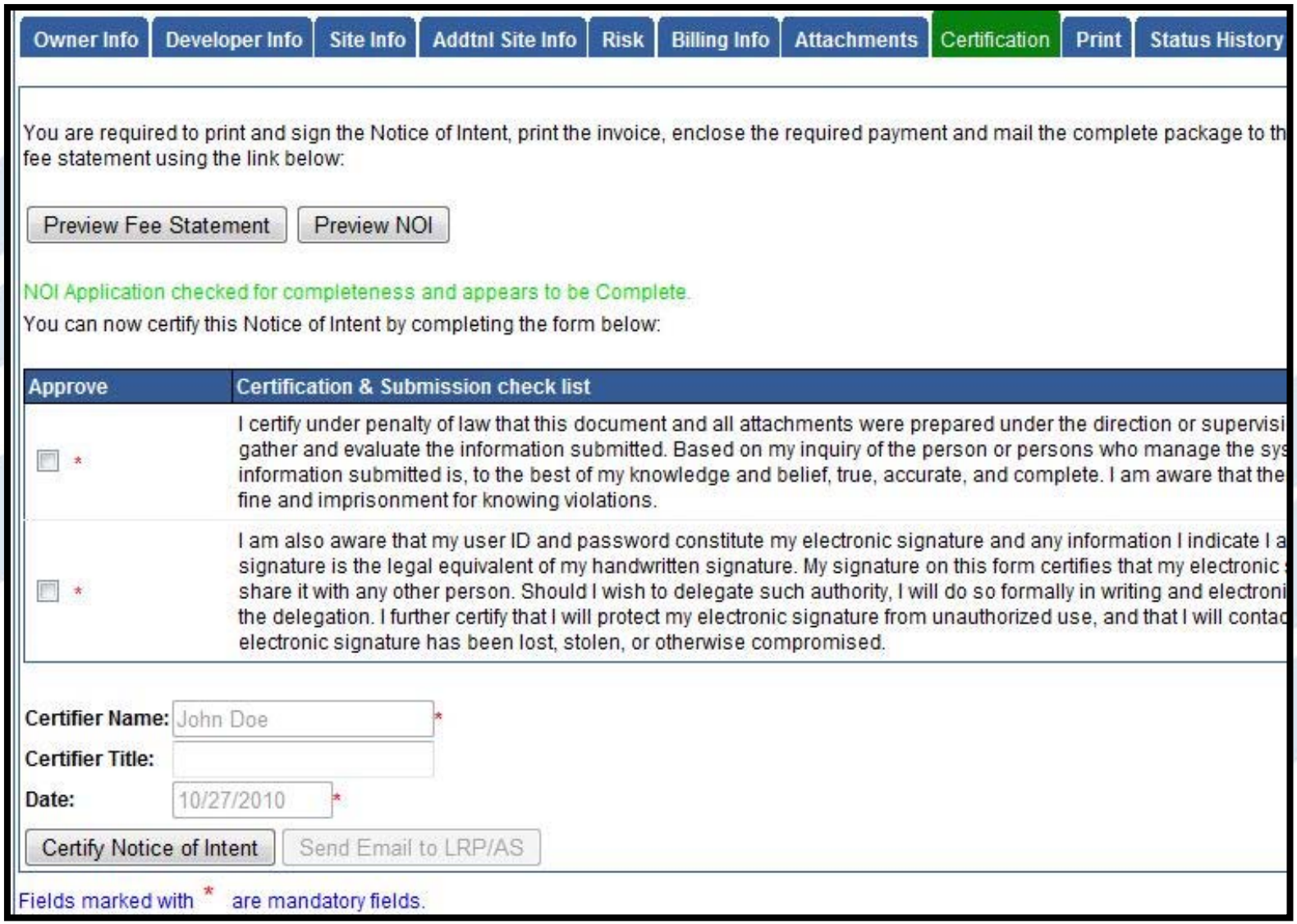


Filing PRDs in SMARTS

Completion Check:

Filing PRDs in SMARTS

Certification:



Filing PRDs in SMARTS

Certification:

Filing PRDs in SMARTS

Print Letters:

Secretary for
Environmental Protection

1001 I Street Sacramento, California 95814 (916) 341-5536
Mailing Address: P.O. Box 1977 Sacramento, California 95812-1977
FAX (916) 341-5543 Internet Address: http://www.waterboards.ca.gov
Email Address: stormwater@waterboards.ca.gov

Arnold Schwarzenegger
Governor

Reference # 355591

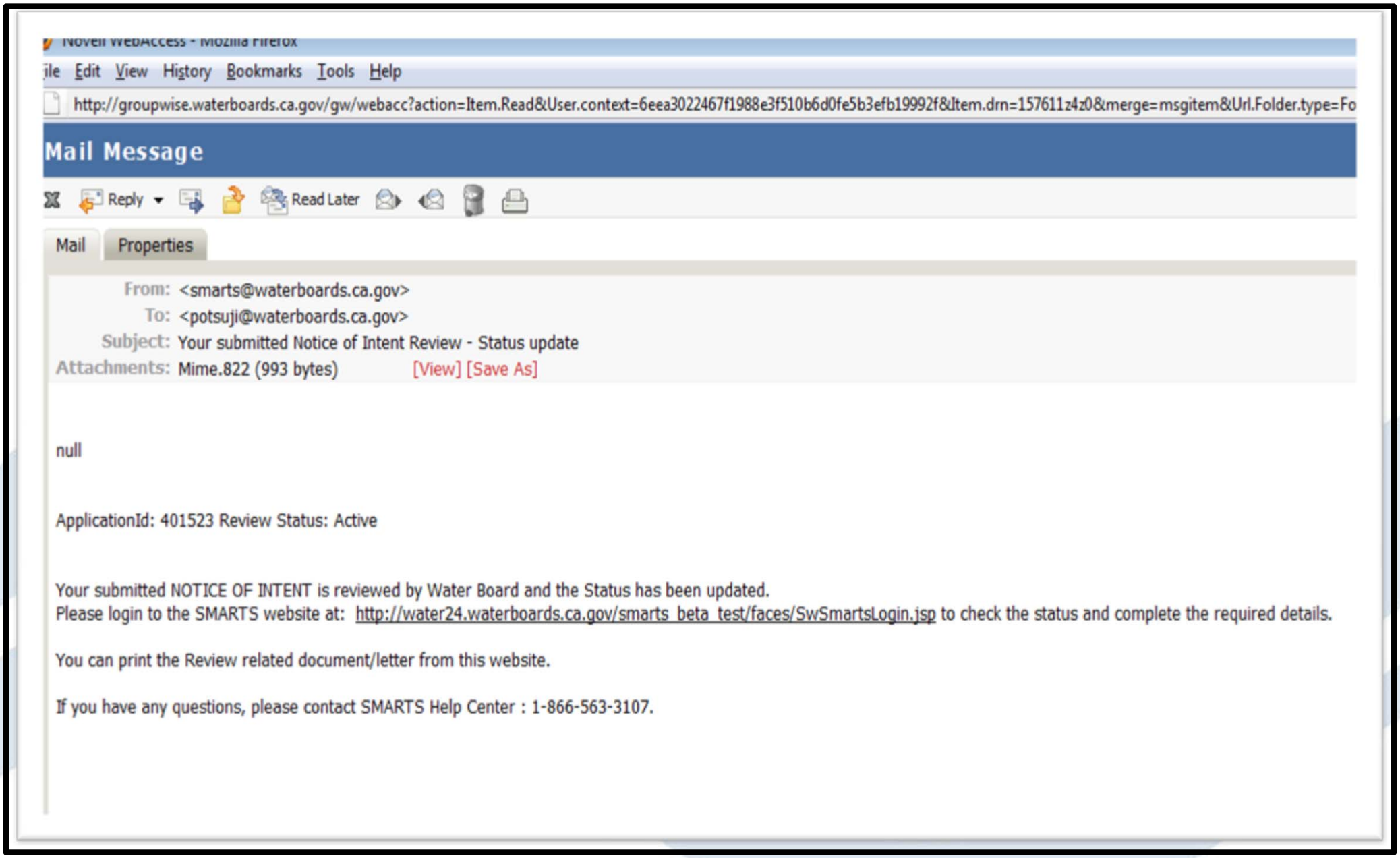
The Application Fee: $ 842.0 Please make checks payable to: State Water Resources Control Board. Please note underpayments of the annual fee are not accepted and will be returned to the sender.

Please send your Notice of Intent with an original signature, $ 842.0 **and Map (if not submitted electronically). Do not send blue prints.**

Mailing Address:	**Overnight Mail:**
SWRCB	SWRCB
Storm Water Section	Storm Water 15th Floor
PO Box 1977	1001 I Street
Sacramento, CA 95831	Sacramento, CA 95814

Once we receive your complete NOI package we will assign a WDID number within 1-2 business days. You can see the status of the permit and print your Receipt Letter at http:www.waterboards.ca.gov/ciwqs

Send copy of this letter with check to the SWRCB.
Upon receipt of check WDID number will be assigned



Users linked to Application will receive email confirmation

Change of Information

Start new COI

Note: Red Asterisks are mandatory fields

Change of Information

- Used to change any of the Tab fields.

- Reasons for Change:

  Reduce or expand acreage.

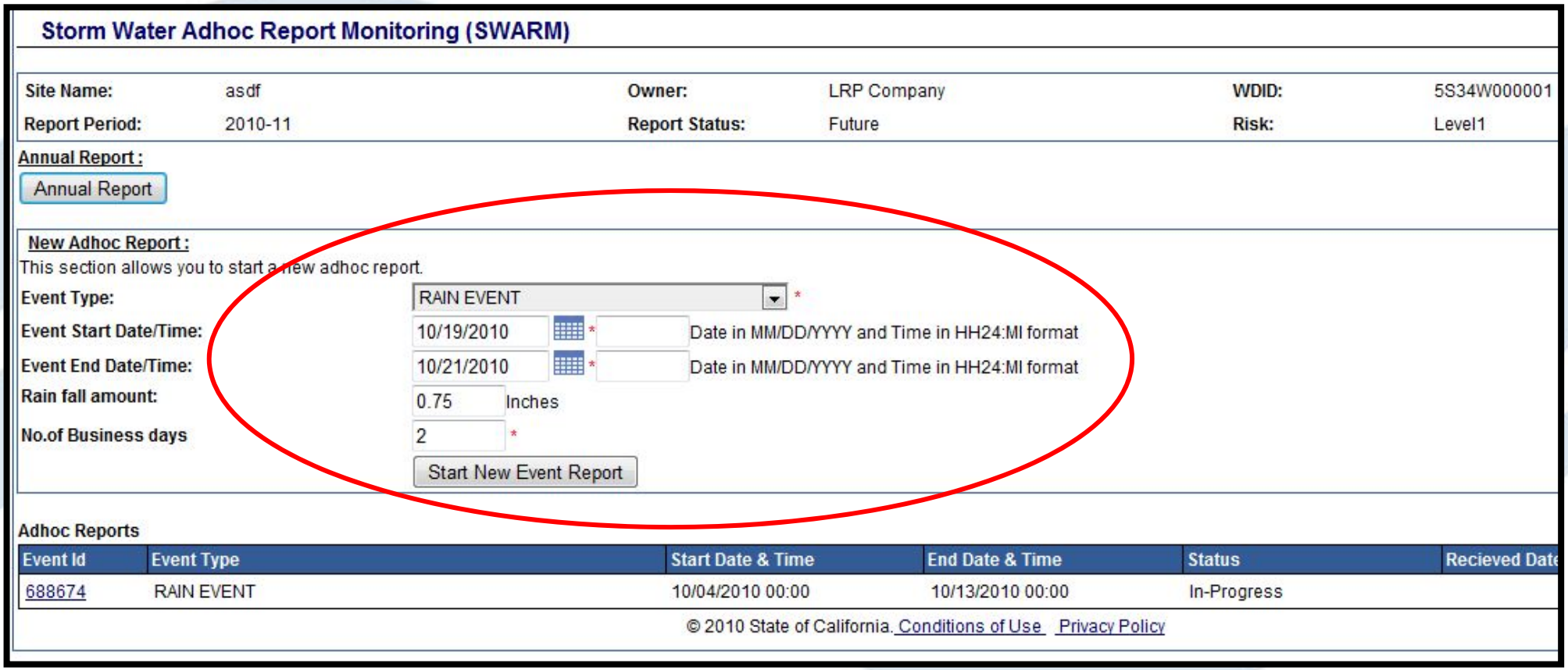
  Part of project sold and has new owner (LRP).

- Attachments:

  Maps, photos, cover/explanation letter, other…

Ad Hoc Report Monitoring

Enter Rain Event Details: Type of event, Start & End Date/Time



Ad Hoc Report

Verify Information:

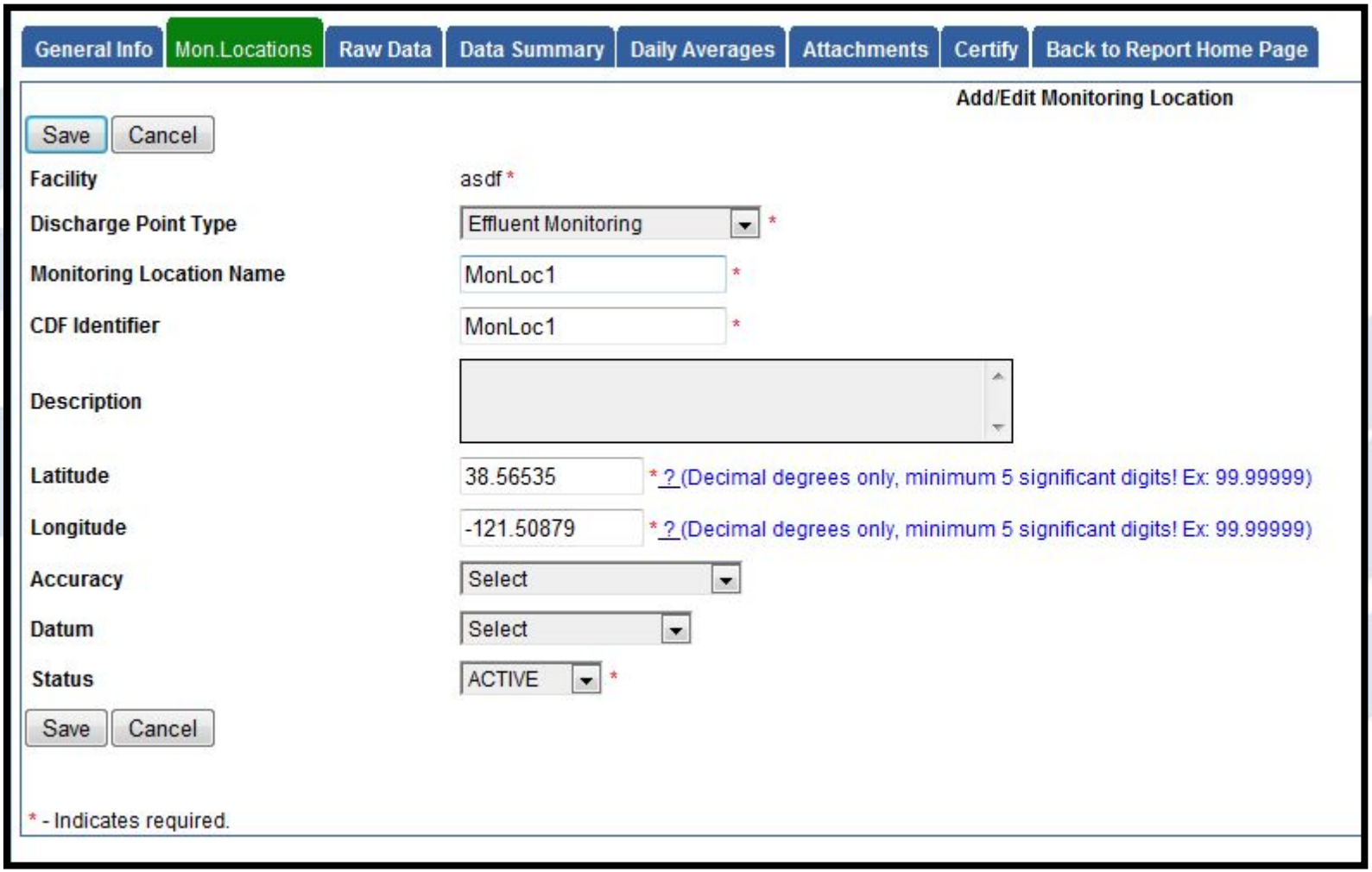
Ad Hoc Report

Add/Edit Monitoring Locations:

Once monitoring locations are created you can change the status for different rain events.

Ad Hoc Report

Enter Monitoring Location Information:

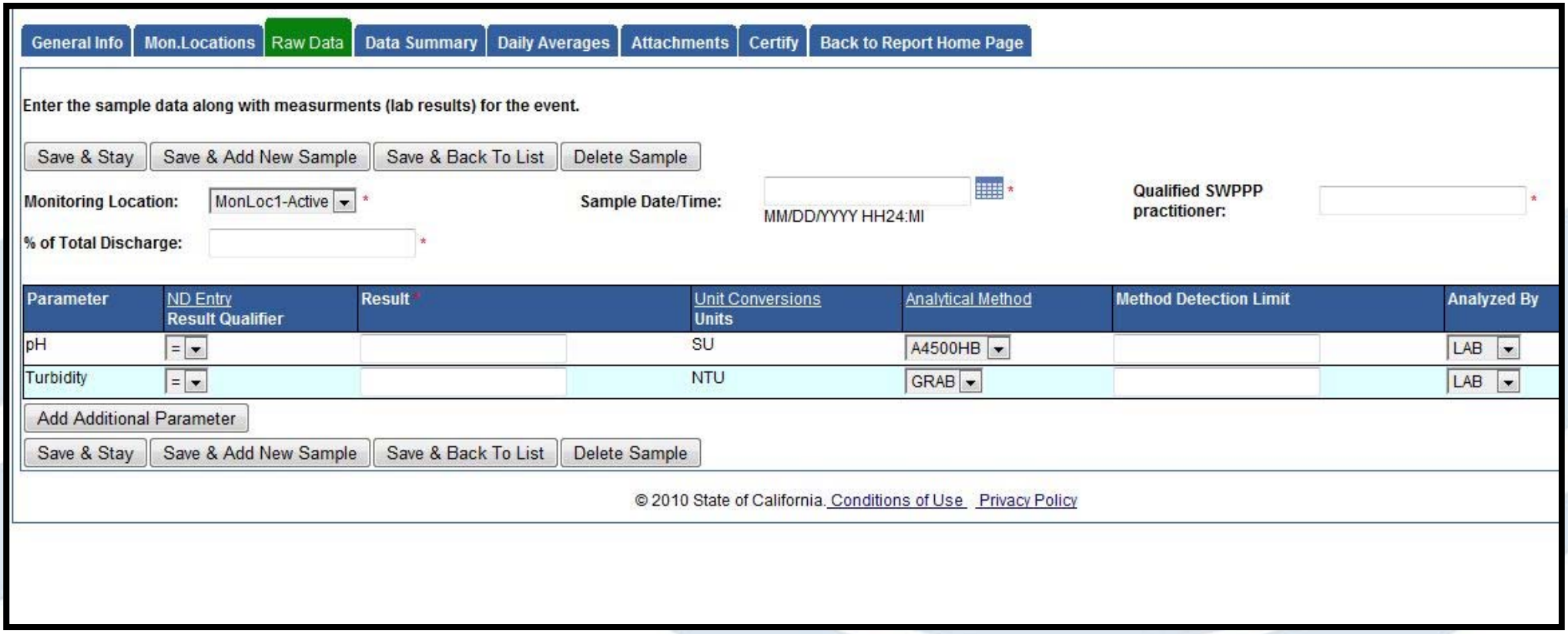


Ad Hoc Report

Enter Sampling Data

Ad Hoc Report

Enter Sampling Data:



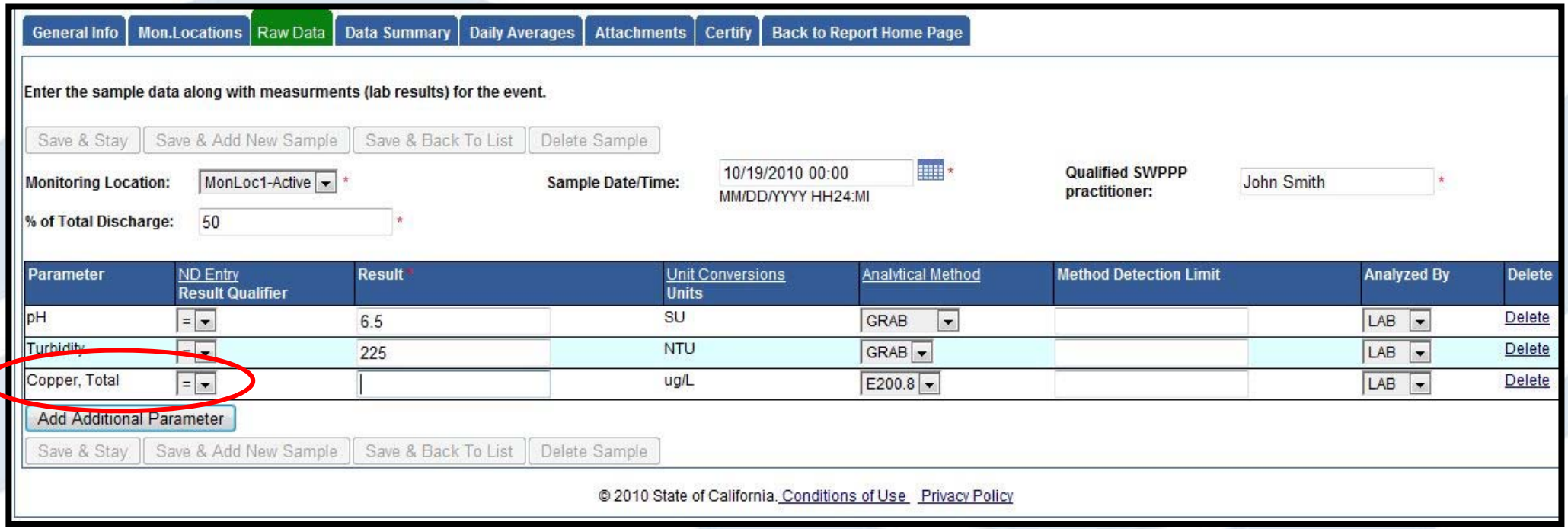
To enter results for non-visible monitoring, choose Add Additional Parameter

Ad Hoc Report

Select Additional Parameters:

Ad Hoc Report

Complete Data Entry:



Ad Hoc Report

Review Data:

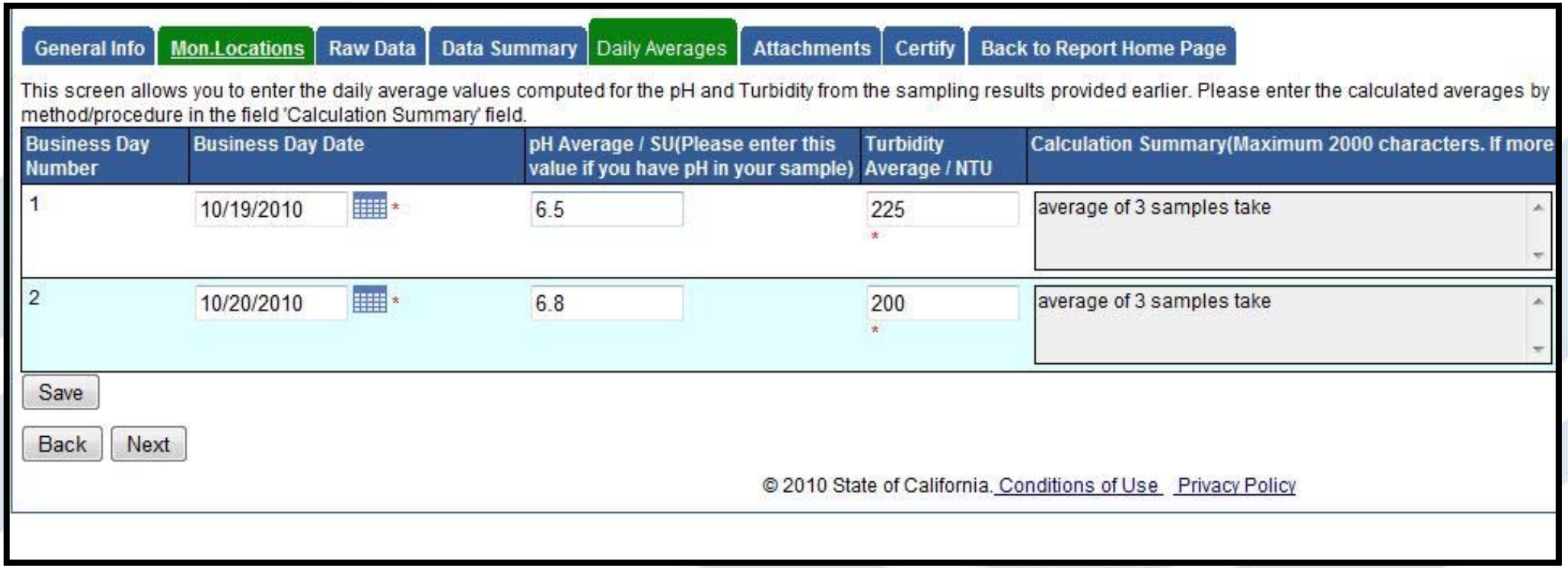
General Info | Mon.Locations | Raw Data | Data Summary | Daily Averages | Attachments | Certify | Back to Report Home Page

Monitoring Location	Sample Date / Time	% of Total Discharge	Parameter	Result in Units	Analytical Method	Method Detection Limit	Analyzed By	QSP Practitioner	Delete
MonLoc1	10/19/2010 00:00:00	50	pH	=6.5 SU	GRAB		LAB	John Smith	Delete
MonLoc1	10/19/2010 00:00:00	50	Turbidity	=225 NTU	GRAB		LAB	John Smith	Delete
MonLoc1	10/20/2010 00:00:00	50	pH	=6.9 SU	GRAB		SELF	John Smith	Delete
MonLoc1	10/20/2010 00:00:00	50	Turbidity	=200 NTU	GRAB		SELF	John Smith	Delete

Back Next

Ad Hoc Report

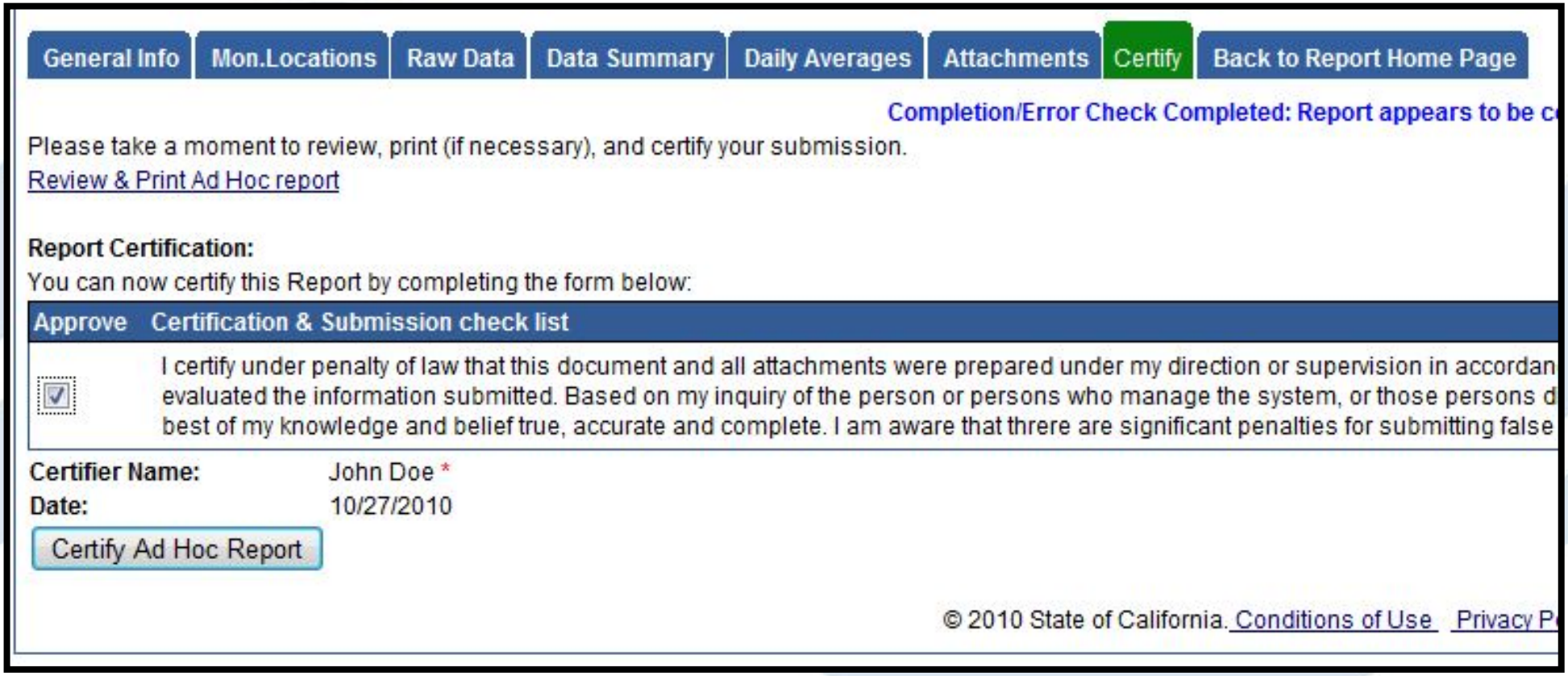
Enter Daily Average:



Turbidity is required and pH is required only if applicable.

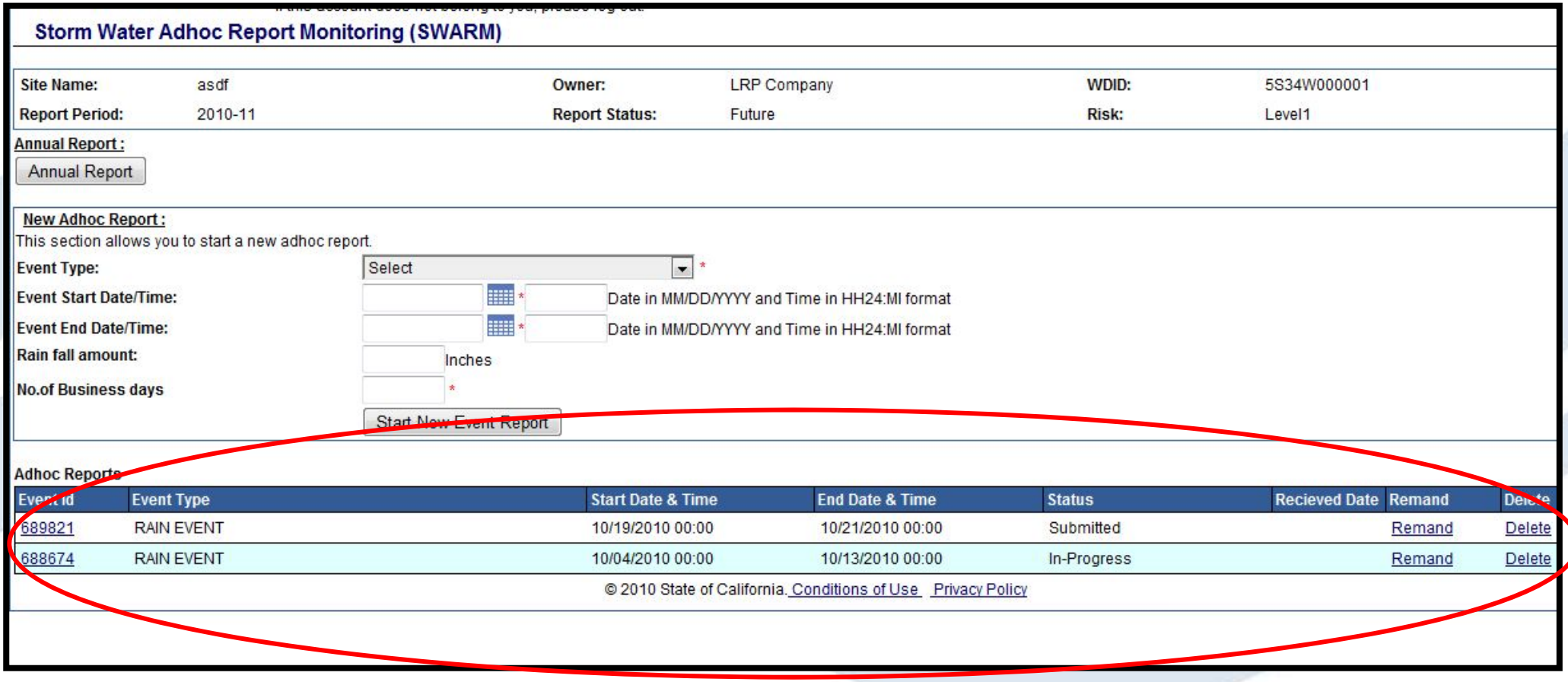
Ad Hoc Report

Certify Report



Ad Hoc Report

Ad Hoc Report Summary:



Storm Water Adhoc Report Monitoring (SWARM)

Site Name:	asdf	Owner:	LRP Company	WDID:	5S34W000001
Report Period:	2010-11	Report Status:	Future	Risk:	Level1

Annual Report :

Annual Report

New Adhoc Report :

This section allows you to start a new adhoc report.

Event Type: Select *

Event Start Date/Time: * Date in MM/DD/YYYY and Time in HH24:MI format

Event End Date/Time: * Date in MM/DD/YYYY and Time in HH24:MI format

Rain fall amount: Inches

No.of Business days *

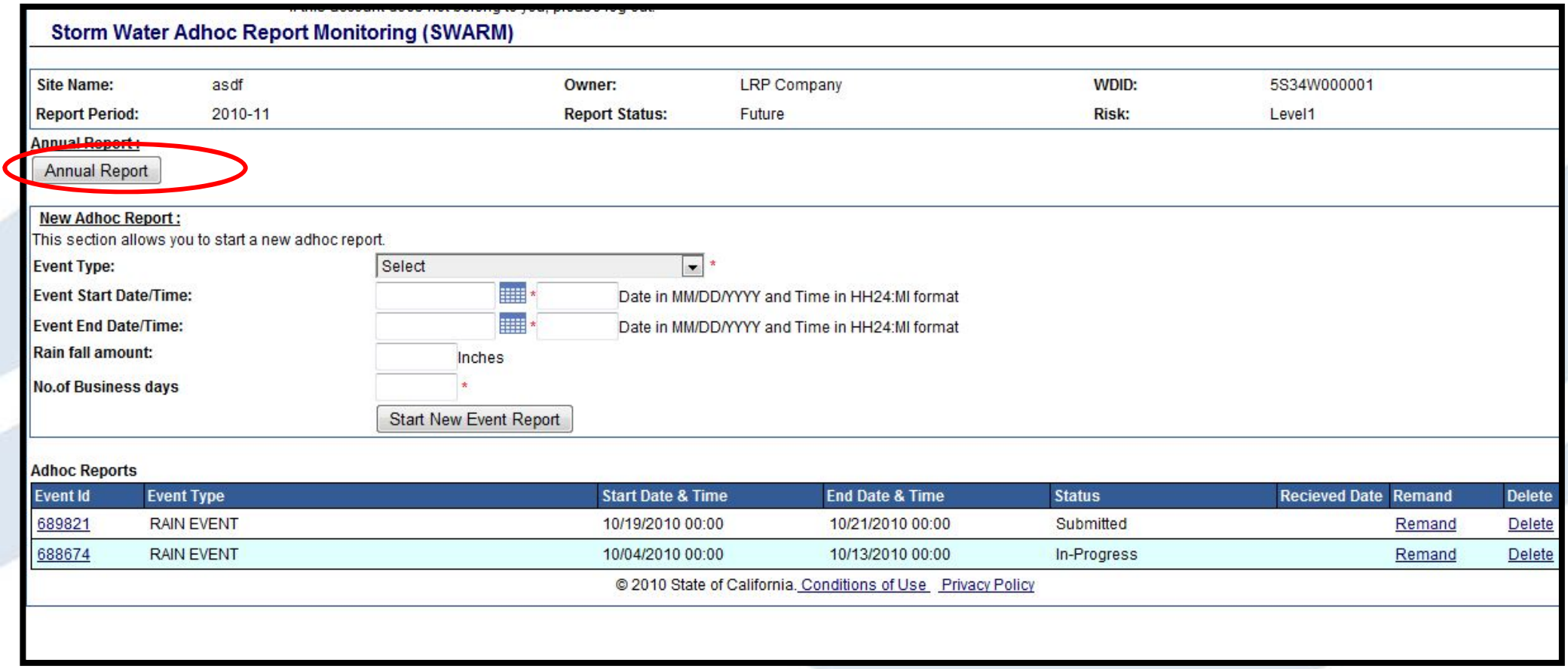
Start New Event Report

Adhoc Reports

Event Id	Event Type	Start Date & Time	End Date & Time	Status	Recieved Date	Remand	Delete
689821	RAIN EVENT	10/19/2010 00:00	10/21/2010 00:00	Submitted		Remand	Delete
688674	RAIN EVENT	10/04/2010 00:00	10/13/2010 00:00	In-Progress		Remand	Delete

Annual Report

Start Annual Report:



- **Annual Report Required Yes or No column on list.**

Annual Report

Site Information:

Storm Water Annual Report Monitoring (SWARM)

ite Name:	Test Construction Site	Owner:	2nd Owner Company	WDID:	9 37C360043
eport Period:	2012-13	Report Status:	Not Submitted	Risk:	Linear Type

General Info | Form 1 | Form 2 | Form 3 | Daily Averages Summary | Attachments | Notes | Certification

. Site Owner Information (Read-Only)

n order to change the information of an NOI, please click the link - Click here to go to NOI screens

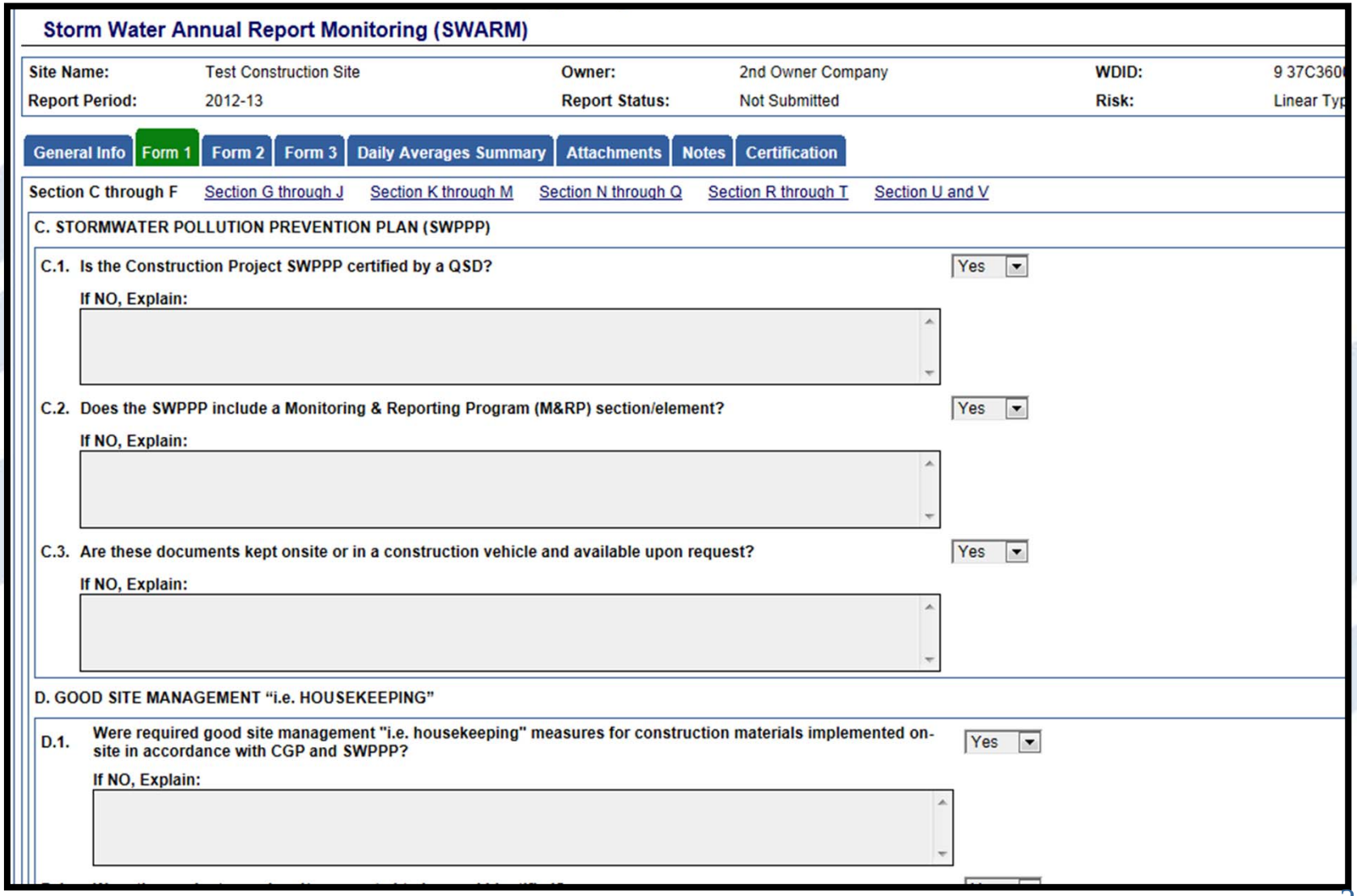
Owner Name:	2nd Owner Company	Owner Contact:	John Doe
Owner Address:	1001 I Street	E-Mail:	smarts@waterboarsd.ca.gov
City/State/Zip:	Sacramento CA 95814	Phone:	866-563-3107

. Site Information (Read-Only)

Site Business Name:	Test Construction Site	Site Contact:	John Doe
Site WDID No:	9 37C360043	E-Mail:	smarts@waterboarsd.ca.gov
Physical Address:	1001 I	Phone:	866-563-3107
City/State/Zip:	Sacramento CA 95814		

Annual Report

Form 1: Narrative Questions



Storm Water Annual Report Monitoring (SWARM)

Site Name:	Test Construction Site	Owner:	2nd Owner Company	WDID:	9 37C360
Report Period:	2012-13	Report Status:	Not Submitted	Risk:	Linear Typ

General Info | Form 1 | Form 2 | Form 3 | Daily Averages Summary | Attachments | Notes | Certification

Section C through F | Section G through J | Section K through M | Section N through Q | Section R through T | Section U and V

C. STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

C.1. Is the Construction Project SWPPP certified by a QSD? Yes

If NO, Explain:

C.2. Does the SWPPP include a Monitoring & Reporting Program (M&RP) section/element? Yes

If NO, Explain:

C.3. Are these documents kept onsite or in a construction vehicle and available upon request? Yes

If NO, Explain:

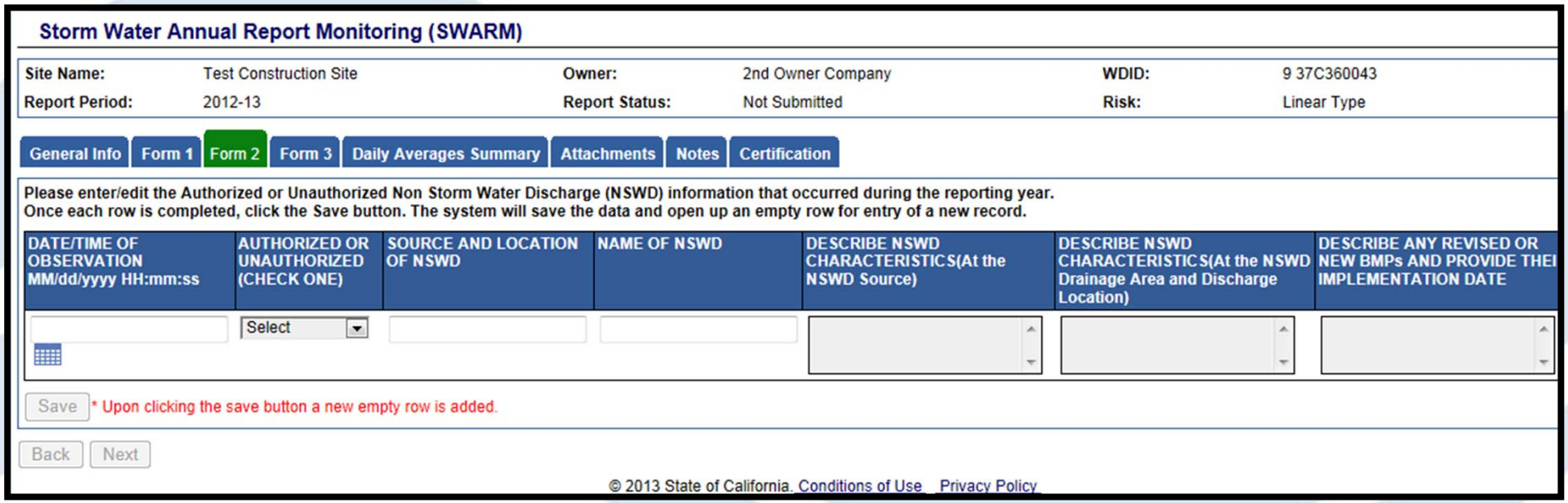
D. GOOD SITE MANAGEMENT "i.e. HOUSEKEEPING"

D.1. Were required good site management "i.e. housekeeping" measures for construction materials implemented on-site in accordance with CGP and SWPPP? Yes

If NO, Explain:

Annual Report

Form 2: Visual Observations of Non-Storm Water Discharges



Storm Water Annual Report Monitoring (SWARM)

Site Name:	Test Construction Site	Owner:	2nd Owner Company	WDID:	9 37C360043
Report Period:	2012-13	Report Status:	Not Submitted	Risk:	Linear Type

General Info | Form 1 | Form 2 | Form 3 | Daily Averages Summary | Attachments | Notes | Certification

Please enter/edit the Authorized or Unauthorized Non Storm Water Discharge (NSWD) information that occurred during the reporting year.
Once each row is completed, click the Save button. The system will save the data and open up an empty row for entry of a new record.

DATE/TIME OF OBSERVATION MM/dd/yyyy HH:mm:ss	AUTHORIZED OR UNAUTHORIZED (CHECK ONE)	SOURCE AND LOCATION OF NSWD	NAME OF NSWD	DESCRIBE NSWD CHARACTERISTICS(At the NSWD Source)	DESCRIBE NSWD CHARACTERISTICS(At the NSWD Drainage Area and Discharge Location)	DESCRIBE ANY REVISED OR NEW BMPs AND PROVIDE THEI IMPLEMENTATION DATE
	Select					

Save * Upon clicking the save button a new empty row is added.

Back Next

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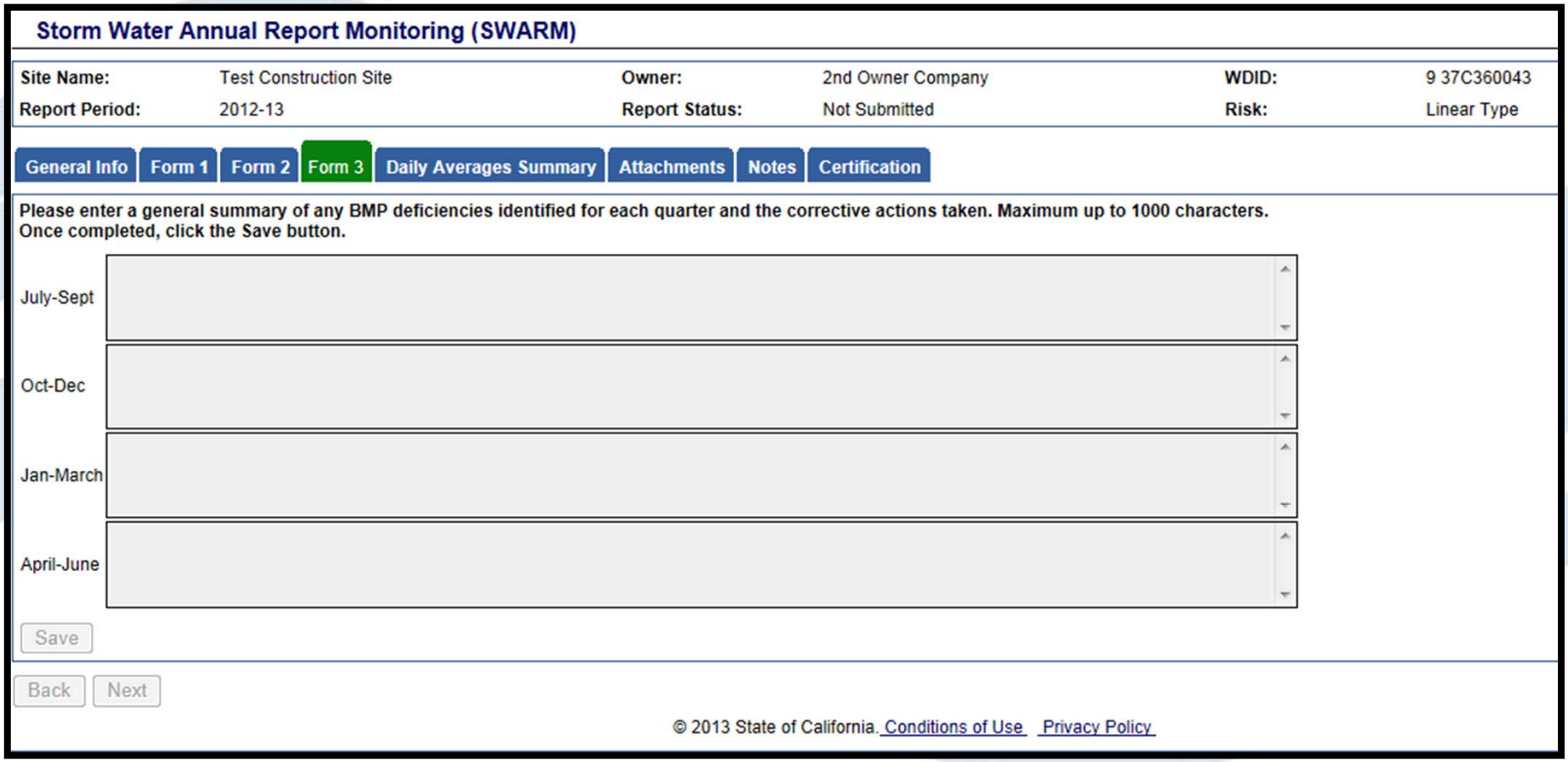
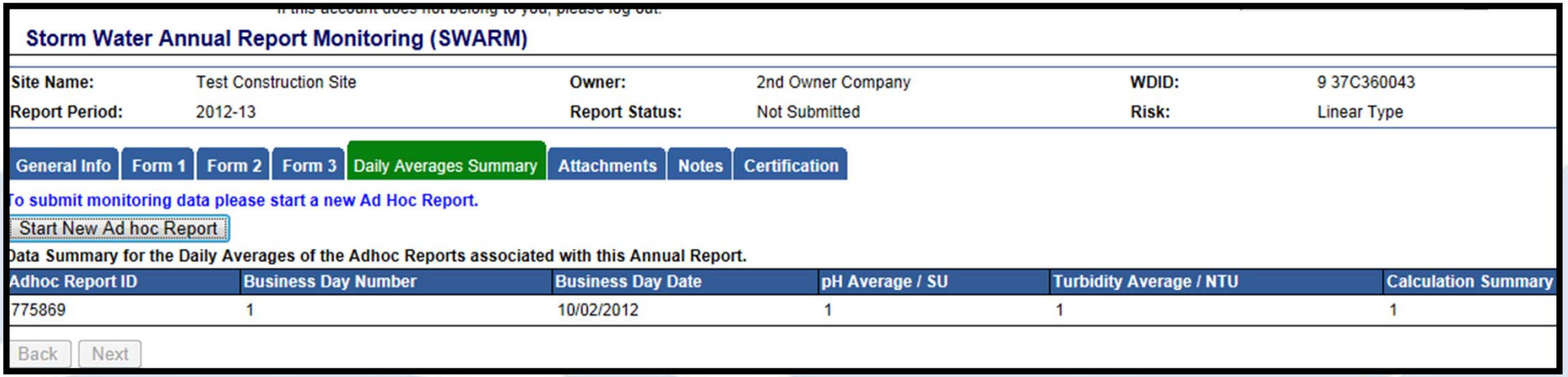
Annual Report

Form 3: Potential Pollutant Source/Construction Activity BMP Status



Annual Report

Ad Hoc Report Daily Average Summary:



If this account does not belong to you, please log out.

Storm Water Annual Report Monitoring (SWARM)

Site Name:	Test Construction Site	**Owner:**	2nd Owner Company	**WDID:**	9 37C360043
Report Period:	2012-13	**Report Status:**	Not Submitted	**Risk:**	Linear Type

General Info | Form 1 | Form 2 | Form 3 | Daily Averages Summary | Attachments | Notes | Certification

To submit monitoring data please start a new Ad Hoc Report.

Start New Ad hoc Report

Data Summary for the Daily Averages of the Adhoc Reports associated with this Annual Report.

Adhoc Report ID	Business Day Number	Business Day Date	pH Average / SU	Turbidity Average / NTU	Calculation Summary
775869	1	10/02/2012	1	1	1

Back | Next

Annual Report

Certification:

Storm Water Annual Report Monitoring (SWARM)

Site Name:	Test Construction Site	**Owner:**	2nd Owner Company	**WDID:**	9 37C360043
Report Period:	2012-13	**Report Status:**	Not Submitted	**Risk:**	Linear Type

General Info | Form 1 | Form 2 | Form 3 | Daily Averages Summary | Attachments | Notes | Certification

Ad hoc Reports

All Ad hoc Reports must be in submitted status in order to certify and submit this Annual Report.

Event ID	Event Type	Start Date & Time	End Date & Time	Status	Received Date
787363	RAIN EVENT	03/01/2013 00:00	03/02/2013 00:00	Not Submitted	
775869	RAIN EVENT	09/10/2012 12:24	09/11/2012 13:24	Submitted	01/16/2013
789234	RAIN EVENT	04/01/2013 00:00	04/02/2013 00:00	Not Submitted	

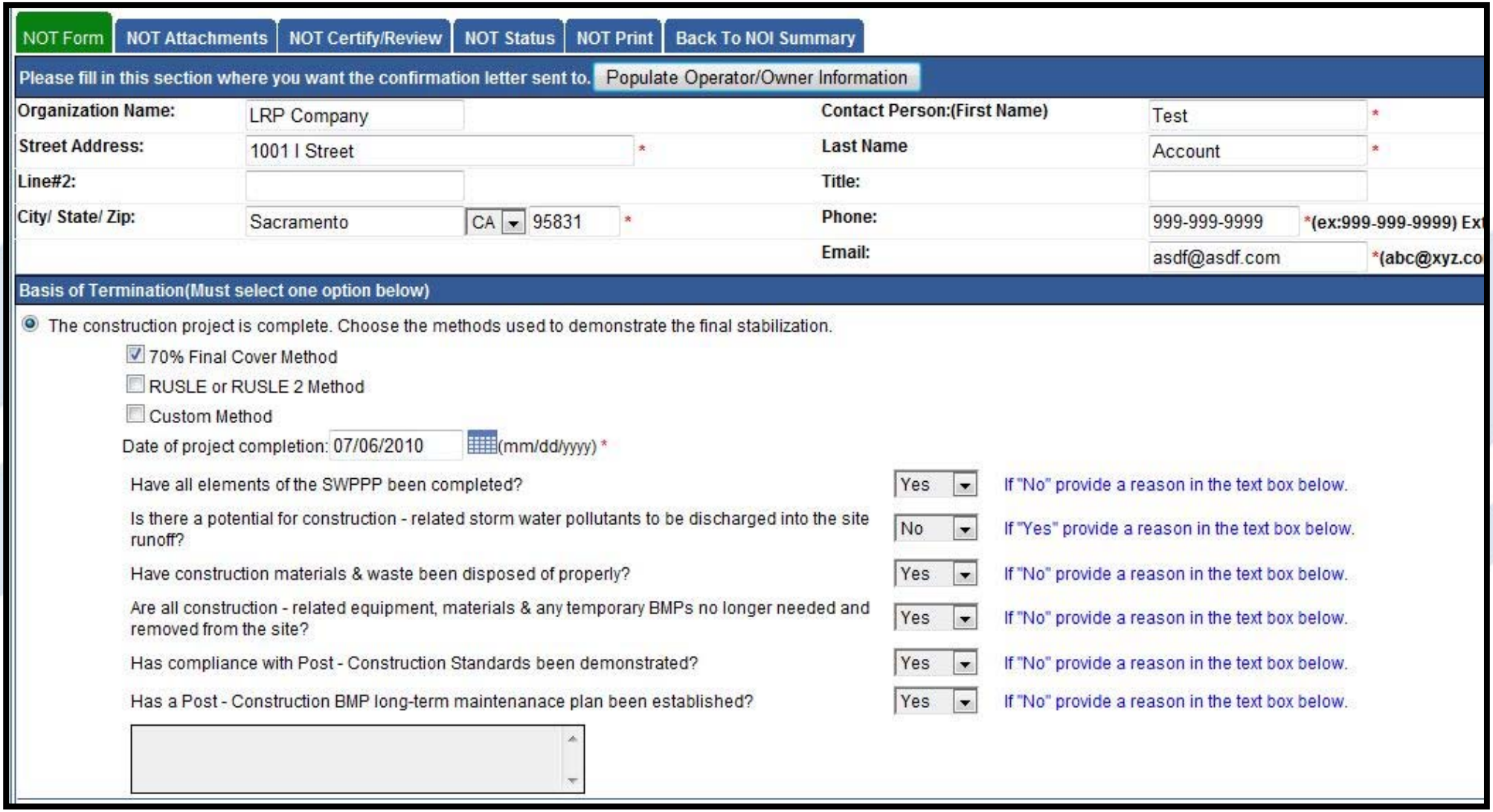
Perform Completion Check

Status History Table

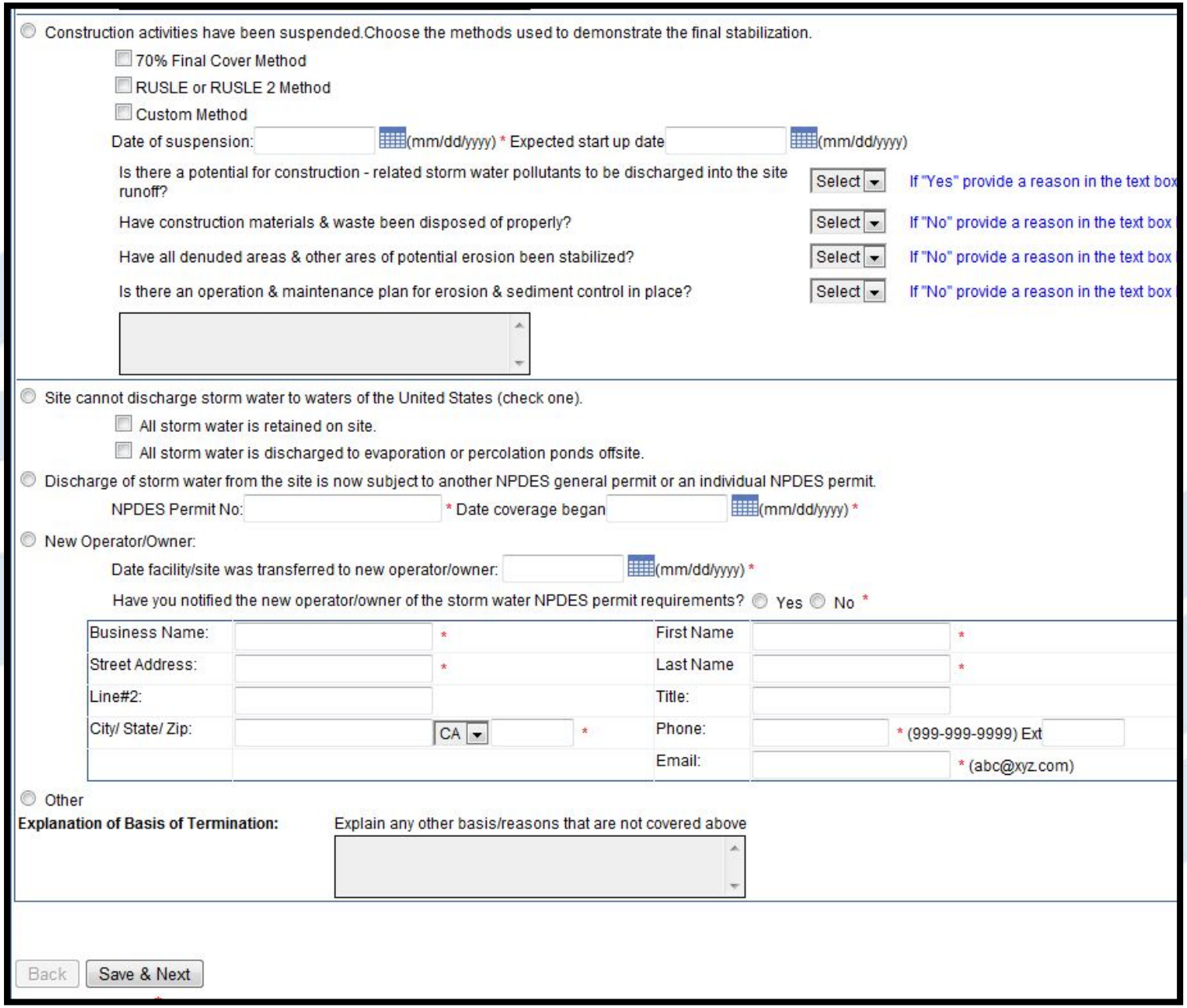
Status of Document	Date	Status By
Not Submitted	01/25/2013	Storm Water Admin
Submitted	01/25/2013	Storm Water Admin
Submitted	01/17/2013	approved signatory
Submitted	11/07/2012	Storm Water Admin
Not Submitted	11/07/2012	Storm Water Admin

Notice of Termination

Enter Basis for Termination:

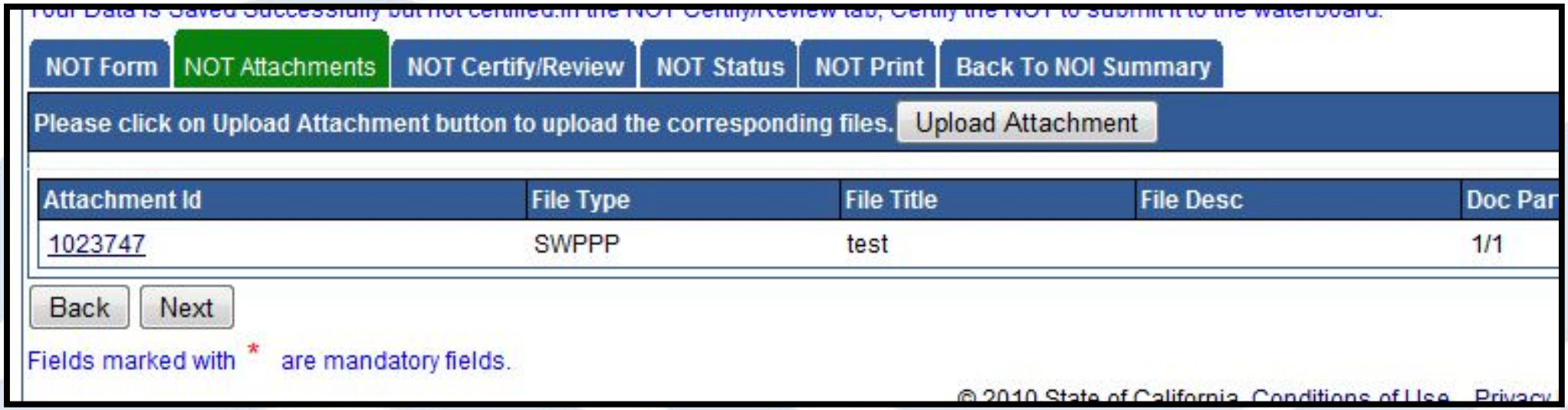


Notice of Termination



Notice of Termination

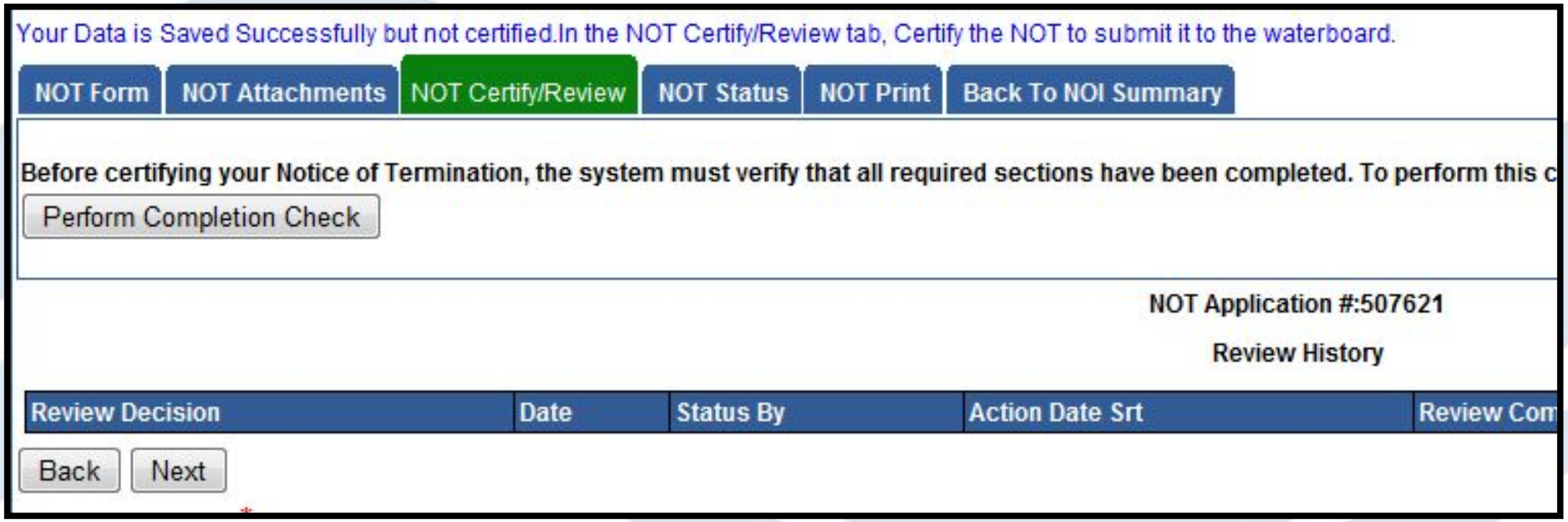
Attach Pictures:



File type must be indicated as “Photograph”

Notice of Termination

Perform Completion Check & Certify:



Notice of Termination

Print NOT Letters: