

CASQA Pesticides Regulatory Action Plan

March 2011

Item/Next Steps	Background
<p>DPR Surface Water Regulations</p> <ul style="list-style-type: none"> • Follow up meeting with DPR in April • Discuss with professional pest control applicators • Formal Draft regulations anticipated in May—will need to provide formal written comments • Anticipate need for CASQA and its members to provide public support for DPR during the formal regulatory process and initial implementation 	<p>Primary means for solving the pyrethroids toxicity problem and preventing new toxicity. Regulations could make major improvements, but probably won't be able to end toxicity completely.</p>
<p>U.S. EPA Pesticide Registration Review Comment on draft workplans:</p> <ul style="list-style-type: none"> • Permethrin (due approx. 8/11) • Fipronil (due approx. 8/11) • Spinosad (due approx. 11/11) • Imiprothrin (due approx. 11/11) 	<p>Once every 15-year review cycle. Current priority is providing input on review workplans for pyrethroids & other pesticides associated with compliance challenges. Risk assessments will start coming out in 2013.</p>
<p>Pyrethroid reevaluation Effectively on hold for stormwater. Outstanding priorities:</p> <ul style="list-style-type: none"> • Water column aquatic toxicity data (Hyaella LC50s) • Monitoring plan for effectiveness monitoring once surface water regulations are adopted. DPR is currently seeking monitoring locations. 	<p>Need to end pyrethroid-related toxicity, which creates costly compliance challenges and triggers expensive monitoring requirements. Solution must prevent toxicity from replacement products.</p>
<p>Oxnard Drain EPA TMDL EPA proposed bifenthrin TMDL. Affected municipality did not directly address precedential nature of bifenthrin target for strategy reasons. Comments were due 3/21; final TMDL expected by summer 2011.</p>	<p>First TMDL to include a numeric pyrethroid target in an urban area. Target can only be achieved through virtual bifenthrin phase-out.</p>
<p>EPA Delta ANPR EPA proposing to expand regulation of pesticides in urban runoff from Fresno, Sacramento, Modesto, Contra Costa County, and other areas. Meeting and letter planned. Comments due 4/25.</p>	<p>Potentially harmful statewide precedent, but great opportunity to work with DPR and Water Boards to educate U.S. EPA Region 9 about our pesticides work.</p>
<p>Funding for Technical Support for CASQA's Regulatory Work Work this spring with POTWs to establish management systems & funding to support future activity.</p>	<p>UP3 Project grant is ending. CASQA and POTWs should be able to partner to provide future funding.</p>

<p>Provide information to support CASQA:</p> <ul style="list-style-type: none"> • Water Board Whole Effluent Toxicity (WET) Policy • Permits (toxicity testing & other pesticide-related provisions) • Pesticide/toxicity 303(d) listings, TMDLs & Basin Plan amendments • Aquatic pesticides general permits (refer to CASQA Policy & Permitting Subcommittee) 	<p>Currently used pesticides cause almost all surface water toxicity</p>
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Items to watch for:

- Pesticide registration reviews (of interest – urban, outdoor broadcast or concentrated use of a pesticide with high aquatic toxicity)
- New pesticide registrations (of interest – urban, outdoor broadcast or concentrated use of a pesticide with high aquatic toxicity)
- U.S. EPA final rule detailing data requirements for biocide registration (anticipate 4/11)
- U.S. EPA OPP/OW Common Effects Assessment Methodology Project methodology proposals (Fall 2011 for science advisory review) and Technical Support Document (early 2012)
- U.S. EPA Pesticide Inert Ingredient Disclosure rulemaking
- New pyrethroid product labels that improve water quality protections (anticipate in stores in late 2011)
- Endangered species consultations/litigation (of interest if could significantly affect urban pesticide use)

Pesticides Regulatory Action Plan - July 2011

Action items for this month are **highlighted**

Item/Next Steps
<p>U.S. EPA Pesticide Registration Review (15-year pesticide review cycle) Comment on draft workplans:</p> <ul style="list-style-type: none"> • Permethrin (Comments due 8/29) • Fipronil (Comments due 8/29) • Spinosad (Comments due in Nov.) • Imiprothrin (Comments due in Nov.) • Tetramethrin (Comments due in Dec.)
<p>EPA Nano Pesticides Policy Proposed EPA policy for addressing nano-particles in pesticides (comments due 8/17)</p> <ul style="list-style-type: none"> • Does the policy ensure that EPA can obtain information regarding any special water quality impacts from nano pesticides?
<p>DPR Surface Water Regulations Formal draft regulations anticipated in late August.</p> <ul style="list-style-type: none"> • Letters recommended (Comments probably due in Sept.-Oct.) • Consider ways CASQA & it members can help support initial implementation in 2012
<p>Pyrethroid Reevaluation POTW Pyrethroid Monitoring program – seeking to measure pyrethroids in influent, effluent & biosolids from 20+ POTWs this fall</p> <ul style="list-style-type: none"> • Tri-TAC & Water Board rep. meeting with DPR & PWG about project framework (7/25) • Hope to work out sampling plan details quickly (Aug.-Sept.?) <p>Unaddressed priorities:</p> <ul style="list-style-type: none"> • Water column aquatic toxicity data (Hyaella LC50s) • Understanding DPR's plan for effectiveness monitoring once surface water regulations are implemented. • Strategy to ensure that as much data as possible is available to EPA by <u>mid-2013</u>, when it will start its Registration Review risk assessments. Data are needed to provide a scientific basis for EPA to implement pyrethroid source control • Analysis of product use information and POTW monitoring data to provide insight on POTW discharge pyrethroids sources
<p>Fipronil Fipronil is a pyrethroid substitute with a rapidly growing market share; it is used both outdoors (around structures) and indoors (pets). It has several persistent degradates that are highly toxic to aquatic organisms. Limited monitoring data suggest that it might appear in urban watersheds at levels high enough to cause toxicity test failures.</p> <ul style="list-style-type: none"> • Background Memo Update (CASQA) – Update 2007 UP3 Project memo summarizing background, aquatic toxicity, usage, and monitoring data for fipronil to support team's education and work with EPA and DPR. • DPR - considering action on fipronil based on its preliminary monitoring results. May wish to encourage DPR action this fall.
<p>Indoxacarb Indoxacarb is a pyrethroid substitute with a rapidly growing market share that was only recently registered in California for both outdoor (around structures) and indoor (pet)</p>

uses. It has degradates that are relatively persistent and highly toxic to aquatic organisms.

- Background Memo – A background memo should be prepared to summarize basic information about indoxacarb including its aquatic toxicity, usage, and monitoring data (if any). This memo is needed to support team's education and work with EPA and DPR. (Consider in Fall 2011)

Items to watch for:

- U.S. EPA Pesticide Registration Reviews (of interest – urban, outdoor broadcast or concentrated use or potentially significant wastewater discharge of a pesticide with high aquatic toxicity or that is a priority pollutant)
- Responses to past team comments and revised documents (e.g., U.S. EPA Registration Review)
- New pesticide registrations (of interest – urban, outdoor broadcast or concentrated use or potentially significant wastewater discharge of a pesticide with high aquatic toxicity or that is a priority pollutant)
- Urban Pesticides Committee meetings (occasional; next October 18, 2011)
- U.S. EPA OPP/OW Common Effects Assessment Methodology Project methodology proposals (white paper anticipated in November 2011 for science advisory review) and Technical Support Document (early 2012)
- U.S. EPA Antimicrobials Data Rule - final rule detailing data requirements for biocide (“antimicrobials”) registration (overdue; expected any day)
- U.S. EPA decisions on nanosilver registration petition and petition to ban triclosan
- Petition to regulate nanocopper (possible comment opportunity in 2011)
- U.S. EPA Region 9 Delta ANPR next steps (early fall 2011)
- U.S. EPA Pesticide Inert Ingredient Disclosure rulemaking
- Implementation of State Water Board aquatic pesticides general permits (refer to CASQA Policy & Permitting Subcommittee) – Congressional action, implementation date October 31, 2011
- New pyrethroid product labels that improve water quality protections (anticipate in stores in late 2011)
- Endangered species consultations/litigation (of interest if could significantly affect urban pesticide use or could help with permit compliance in key geographic areas)
- PWG “Pathways Study” to explore pyrethroid wash-off from outdoor applications at a simulated residential setting (late 2012 or 2013).
- SRCSD special study (partnership with DPR, PWG, and University of California, complete in mid-2012)
- Vacaville effluent monitoring (report early 2012)
- SRCSD *Hyalella* toxicity testing study report (report in fall 2012?)
- Water Board Whole Effluent Toxicity (WET) Policy (Provide information as appropriate to Tri-TAC Water Committee and CASQA Policy & Permitting Subcommittee)
- NPDES Permits (track toxicity testing & other pesticide-related provisions)
- Pesticide/toxicity 303(d) listings, TMDLs & Basin Plan amendments (track)
- DTSC nanomaterial information call-ins (nanosilver and carbon nanotube responses anticipated in 2011)

Pesticides Regulatory Action Plan - August 2011

Action items for this month are **highlighted**

Item/Next Steps	Date Due
<p>U.S. EPA Pesticide Registration Review (15-year cycle) Comment on draft workplans:</p>	
<p>Permethrin</p>	8/29
<p>Fipronil</p>	8/29
<p>Spinosad</p>	Nov.
<p>Imiprothrin</p>	Nov.
<p>Tetramethrin</p>	Dec.
<p>Sumithrin, Pyrethrins, Tetramethrin</p>	Dec.-Feb.
<p>DPR Surface Water Regulations Formal draft regulations anticipated in late August.</p> <ul style="list-style-type: none"> • Letters recommended • Consider ways CASQA & it members can help support initial implementation in 2012 	Oct.?
<p>Pyrethroid Reevaluation POTW Pyrethroid Monitoring program – seeking to measure pyrethroids in influent, effluent & biosolids from 20+ POTWs this fall</p> <ul style="list-style-type: none"> • Work with PWG and DPR on Sampling Plan (PWG draft due to DPR 8/29) • Identify POTW participants <p>Unaddressed priorities:</p> <ul style="list-style-type: none"> • Water column aquatic toxicity data (Hyalella LC50s) • Understanding DPR's plan for effectiveness monitoring once surface water regulations are implemented. • Strategy to ensure that as much data as possible is available to EPA by <u>mid-2013</u>, when it will start its Registration Review risk assessments. Data are needed to provide a scientific basis for EPA to implement pyrethroid source control • Analysis of product use information and POTW monitoring data to provide insight on POTW discharge pyrethroids sources 	<p>Aug.-Sept.</p> <p>Sept.-Oct.</p>
<p>Fipronil Pyrethroid substitute with multiple persistent, toxic degradates, used only in urban areas, found in both sediment & water at potentially harmful concentrations.</p> <ul style="list-style-type: none"> • Background Memo Update (CASQA) • Encourage DPR action? Review EPA final Registration Review workplan (expected Nov. 2011) to decide. 	<p>Fall 2011</p> <p>Dec. 2011</p>
<p>Indoxacarb New pyrethroid substitute with degradates that are relatively persistent and highly toxic to aquatic organisms. Used both indoors & outdoors.</p> <ul style="list-style-type: none"> • Background Memo – Summarize basic information about indoxacarb including its aquatic toxicity, usage, and monitoring data (if any). This memo is needed to support team's education and work with EPA and DPR. 	<p>Consider in</p> <p>Fall 2011</p>

Items to watch for:

- U.S. EPA Pesticide Registration Reviews (of interest – urban, outdoor broadcast or concentrated use or potentially significant wastewater discharge of a pesticide with high aquatic toxicity or that is a priority pollutant)
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- New pesticide registrations (of interest – urban, outdoor broadcast or concentrated use or potentially significant wastewater discharge of a pesticide with high aquatic toxicity or that is a priority pollutant)
- Urban Pesticides Committee meetings (occasional; next October 18, 2011)
- U.S. EPA OPP/OW Common Effects Assessment Methodology Project methodology proposals (white paper anticipated in November 2011 for science advisory review) and Technical Support Document (early 2012)
- U.S. EPA Antimicrobials Data Rule - final rule detailing data requirements for biocide (“antimicrobials”) registration (overdue)
- U.S. EPA decisions on nanosilver registration petition and petition to ban triclosan
- Petition to regulate nanocopper (possible comment opportunity in 2011)
- Final U.S. EPA Nanoscale Materials Pesticides Policy
- U.S. EPA Region 9 Delta ANPR next steps (early fall 2011)
- U.S. EPA Pesticide Inert Ingredient Disclosure rulemaking
- Implementation of State Water Board aquatic pesticides general permits (refer to CASQA Policy & Permitting Subcommittee) – Congressional action, implementation date October 31, 2011
- New pyrethroid product labels that improve water quality protections (anticipate in stores in late 2011)
- Endangered species consultations/litigation (if could significantly affect urban pesticide use or could help with permit compliance in key geographic areas)
- PWG “Pathways Study” to explore pyrethroid wash-off from outdoor applications at a simulated residential setting (late 2012 or 2013).
- SRCSD special study (partnership with DPR, PWG, and University of California, complete in mid-2012)
- Vacaville effluent monitoring (report early 2012)
- SRCSD *Hyalella* toxicity testing study report (report in fall 2012?)
- Water Board Whole Effluent Toxicity (WET) Policy (Provide information as appropriate to Tri-TAC Water Committee and CASQA Policy & Permitting Subcommittee)
- NPDES Permits (track toxicity testing & other pesticide-related provisions)
- Pesticide/toxicity 303(d) listings, TMDLs & Basin Plan amendments (track)
- DTSC nanomaterial information call-ins (nanosilver and carbon nanotube responses anticipated in 2011)
- California Department of Food & Agriculture Program EIR on invasive species control (are programs consistent with Water Board expectations in urban areas?)

Pesticides Regulatory Action Plan - September 2011

Action items for this month are **highlighted**

Item/Next Steps	Date Due
<p>U.S. EPA Pesticide Registration Review (15-year cycle) Comment on draft workplans:</p>	
Spinosad	Nov.
Imiprothrin	Nov.
Tetramethrin	Dec.
Sumithrin, Pyrethrins, Tetramethrin	Dec.-Feb.
<p>DPR Surface Water Regulations Formal draft regulations anticipated in mid-October.</p> <ul style="list-style-type: none"> • Letters recommended • Consider ways CASQA & it members can help support initial implementation in 2012 	Nov.
<p>DPR Procedures for Evaluating New Pesticides for Surface Water Protection Reports detailing proposed process and its scientific basis expected in October.</p> <ul style="list-style-type: none"> • Input recommended, but exact process currently unclear. 	Nov.?
<p>DPR Registration Cyantraniliprole - New outdoor insecticide/possible pyrethroid alternative (CASQA letter in review)</p>	Oct.
<p>Pyrethroid Reevaluation POTW Pyrethroid Monitoring program – seeking to measure pyrethroids in influent, effluent & biosolids from 20+ POTWs this fall</p> <ul style="list-style-type: none"> • Work with PWG and DPR on Sampling Plan (PWG draft to be sent to DPR 10/4) • Identify POTW participants 	Oct. Oct.
<p>Urban Pesticides Committee Information-sharing forum on urban pesticide use and water quality</p>	Oct. 18
<p>Fipronil Pyrethroid substitute with multiple persistent, toxic degradates, used only in urban areas, found in both sediment & water at potentially harmful concentrations.</p> <ul style="list-style-type: none"> • Background Memo Update (CASQA) • Encourage DPR action? Review EPA final Registration Review workplan (expected Nov. 2011) to decide. 	Fall 2011 Dec. 2011
<p>Indoxacarb New pyrethroid substitute with degradates that are relatively persistent and highly toxic to aquatic organisms. Used both indoors & outdoors.</p> <ul style="list-style-type: none"> • Background Memo – Summarize basic information about indoxacarb including its aquatic toxicity, usage, and monitoring data (if any). This memo is needed to support team’s education and work with EPA and DPR. 	Consider in Fall 2011

Items to watch for:

- U.S. EPA Pesticide Registration Reviews (of interest – urban, outdoor broadcast or concentrated use or potentially significant wastewater discharge of a pesticide with high aquatic toxicity or that is a priority pollutant)
- Responses to past team comments and revised documents (e.g., U.S. EPA Registration Review)
- New pesticide registrations (of interest – urban, outdoor broadcast or concentrated use or potentially significant wastewater discharge of a pesticide with high aquatic toxicity or that is a priority pollutant)
- U.S. EPA OPP/OW Common Effects Assessment Methodology Project methodology proposals (white paper anticipated in November 2011 for science advisory review) and Technical Support Document (early 2012)
- U.S. EPA Antimicrobials Data Rule - final rule detailing data requirements for biocide (“antimicrobials”) registration (overdue)
- U.S. EPA petition decisions (nanosilver registration, request to ban triclosan)
- Petition to regulate nanocopper (possible comment opportunity in 2011)
- Final U.S. EPA Nanoscale Materials Pesticides Policy
- U.S. EPA Region 9 Delta ANPR next steps (early fall 2011)
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- Water Board Whole Effluent Toxicity (WET) Policy (Provide information as appropriate to Tri-TAC Water Committee and CASQA Policy & Permitting Subcommittee)
- NPDES Permits (track toxicity testing & other pesticide-related provisions)
- Pesticide/toxicity 303(d) listings, TMDLs & Basin Plan amendments (track)
- DTSC nanomaterial information call-ins (nanosilver and carbon nanotube responses anticipated in 2011)
- California Department of Food & Agriculture Program EIR on invasive species control (are programs consistent with Water Board expectations in urban areas?)
- Unaddressed Pyrethroid Reevaluation priorities:
 - Water column aquatic toxicity data (*Hyalella* LC50s)
 - Understanding DPR’s plan for effectiveness monitoring once surface water regulations are implemented.
 - Strategy to ensure that as much data as possible is available to EPA by mid-2013, when it will start its Registration Review risk assessments. Data will provide a scientific basis for EPA source control actions.
 - Analysis of product use information and POTW monitoring data to provide insight on POTW discharge pyrethroids sources

Pesticides Regulatory Action Plan - October 2011

Action items for this month are **highlighted**

Item/Next Steps	Date Due
U.S. EPA Pesticide Registration Review (15-year cycle) Comment on draft workplans:	
Spinosad	Nov. 29
Imiprothrin	Nov. 29
Tetramethrin, Sumithrin, Pyrethrins, Tetramethrin	Feb.
Cypermethrin	May
DPR Surface Water Regulations Formal draft regulations anticipated by the end of October. <ul style="list-style-type: none"> • Letters recommended • Consider ways CASQA & its members can help support initial implementation in mid-2012 	Dec. 12
DPR Procedures for Evaluating New Pesticides for Surface Water Protection Reports detailing proposed process and its scientific basis available. <ul style="list-style-type: none"> • Input recommended – Meeting & possible letter to DPR. 	Dec.?
Pyrethroid Reevaluation POTW Pyrethroid Monitoring program – seeking to measure pyrethroids in influent, effluent & biosolids from 20+ POTWs this fall <ul style="list-style-type: none"> • Work with DPR to determine next steps • Identify POTW participants 	Nov.-Dec. By early Jan.
Fipronil Pyrethroid substitute with multiple persistent, toxic degradates, used only in urban areas, found in both sediment & water at potentially harmful concentrations. <ul style="list-style-type: none"> • Background Memo Update (CASQA) • Encourage DPR action? Review EPA final Registration Review workplan (expected Nov. 2011) to decide. 	Early 12 Dec. 2011
Indoxacarb New pyrethroid substitute with degradates that are relatively persistent and highly toxic to aquatic organisms. Used both indoors & outdoors. <ul style="list-style-type: none"> • Background Memo – Summarize basic information about indoxacarb including its aquatic toxicity, usage, and monitoring data (if any). This memo is needed to support team's education and work with EPA and DPR. 	Consider in Spring 2011

Items to watch for:

Federal

- U.S. EPA Pesticide Registration Reviews (of interest – urban, outdoor broadcast or concentrated use or potentially significant wastewater discharge of a pesticide with high aquatic toxicity or that is a priority pollutant)
- Responses to past team comments and revised documents (e.g., U.S. EPA Registration Review)

- U.S. EPA OPP/OW Common Effects Assessment Methodology Project methodology proposals (white paper anticipated in November 2011 for science advisory review) and Technical Support Document (early 2012)
- U.S. EPA Antimicrobials Data Rule - final rule detailing data requirements for biocide (“antimicrobials”) registration (overdue)
- U.S. EPA petition decisions (nanosilver registration, nanocopper regulation, request to ban triclosan)
- Final U.S. EPA Nanoscale Materials Pesticides Policy
- U.S. EPA Region 9 Delta ANPR next steps (end of 2011)
- U.S. EPA Pesticide Inert Ingredient Disclosure rulemaking
- Endangered species consultations/litigation (if could significantly affect urban pesticide use or could help with permit compliance in key geographic areas)
- New pyrethroid product labels that improve water quality protections (anticipate starting to appear in stores in late 2011; may not be fully in place until 2016)

California

- Implementation of State Water Board aquatic pesticides general permits (refer to CASQA Policy & Permitting Subcommittee) – Congressional action, implementation date October 31, 2011
- Water Board Whole Effluent Toxicity (WET) Policy (Provide information as appropriate to Tri-TAC Water Committee and CASQA Policy & Permitting)
- Central Valley Water Board Sediment Criteria (draft methodology – early 2012)
- NPDES Permits (track toxicity testing & other pesticide-related provisions)
- Pesticide/toxicity 303(d) listings, TMDLs & Basin Plan amendments (track)
- DTSC nanomaterial information call-ins (nanosilver and carbon nanotube responses anticipated in 2011)
- California Department of Food & Agriculture Program EIR on invasive species control (are programs consistent with Water Board expectations in urban areas?)

Both Federal & California

- New pesticide registrations (of interest – urban, outdoor broadcast or concentrated use or potentially significant wastewater discharge of a pesticide with high aquatic toxicity or that is a priority pollutant) – DPR decision on cyantranilprole
- Urban Pesticides Committee (Information-sharing forum on urban pesticide use and water quality) – Next meeting in spring 2012
- Unaddressed Pyrethroid priorities:
 - Water column aquatic toxicity data (*Hyalella* LC50s)
 - Understanding DPR’s plan for effectiveness monitoring once surface water regulations are implemented.
 - Strategy to ensure that as much data as possible is available to EPA by mid-2013, when it will start its Registration Review risk assessments. Data will provide a scientific basis for EPA source control actions.
 - Analysis of product use information and POTW monitoring data to provide insight on POTW discharge pyrethroids sources

Scientific Information

POTW studies:

- SRCSD special study (partnership with DPR, PWG, and University of California, complete in mid-2012)
- Vacaville effluent monitoring (report early 2012)
- SRCSD *Hyalella* toxicity testing study report (report in fall 2012?)
- PWG “Pathways Study” to explore pyrethroid wash-off from outdoor applications at a simulated residential setting (late 2012 or 2013)

Pesticides Regulatory Action Plan - December 2011

Action items for this month are **highlighted**

Item/Next Steps	Date Due
U.S. EPA Pesticide Registration Review (15-year cycle) Comment on draft workplans:	
Tetramethrin, Sumithrin, Pyrethrins	Feb.
Cypermethrin	May
Resmethrin, Prallethrin, MGK-264 (synergist), Dichlobenil (sewer root control)	June-Aug
DPR Surface Water Regulations Formal draft regulations proposed; letters recommended	Dec. 12
DPR Procedures for Evaluating New Pesticides for Surface Water Protection Reports detailing proposed process and its scientific basis available. • Input recommended – Meeting & possible letter to DPR.	Jan.?
Pyrethroid Reevaluation POTW Pyrethroid Survey – seeking to measure pyrethroids in influent, effluent & biosolids from 20+ POTWs • Continue work with PWG and DPR to determine next steps • Identify POTW participants	Dec.-Jan Ongoing
U.S. EPA OPP/OW Common Effects Assessment Methodology Methodology proposal anticipated in January for EPA Science Advisory Panel review Jan. 31-Feb. 2, 2012. Technical Support Document (implementation directions) expected mid-2012. Public input process currently unclear.	?
Fipronil Pyrethroid substitute with multiple persistent, toxic degradates, used only in urban areas, found in both sediment & water at potentially harmful concentrations. • Background Memo Update (CASQA) • Encourage DPR action? Review EPA final Registration Review workplan to decide.	Early 2012 Jan.

Items to watch for:

Federal

- U.S. EPA Pesticide Registration Reviews (of interest – urban, outdoor broadcast or concentrated use or pyrethroid alternative or potentially significant wastewater discharge AND a pesticide with high aquatic toxicity or that is a priority pollutant)
- Responses to past team comments and revised documents (e.g., U.S. EPA Registration Review)
- U.S. EPA Antimicrobials Data Rule - final rule detailing data requirements for biocide (“antimicrobials”) registration (overdue)
- U.S. EPA petition decisions (nanosilver registration, nanocopper regulation, request to ban triclosan)
- Final U.S. EPA Nanoscale Materials Pesticides Policy
- U.S. EPA Region 9 Delta ANPR next steps (end of 2011)
- U.S. EPA Pesticide Inert Ingredient Disclosure rulemaking

- Endangered species consultations/litigation (if could significantly affect urban pesticide use or could help with permit compliance in key geographic areas)
- New pyrethroid product labels that improve water quality protections (anticipate starting to appear in stores in late 2011; may not be fully in place until 2016)

California

- Water Board Whole Effluent Toxicity (WET) Policy (Provide information as appropriate to Tri-TAC Water Committee and CASQA Policy & Permitting)
- Central Valley Water Board Sediment Criteria (draft methodology – early 2012)
- NPDES Permits (track toxicity testing & other pesticide-related provisions)
- Pesticide/toxicity 303(d) listings, TMDLs & Basin Plan amendments (track)
- DTSC nanomaterial information call-ins (nanosilver and carbon nanotube responses anticipated in 2011)
- California Department of Food & Agriculture Program EIR on invasive species control (are programs consistent with Water Board expectations in urban areas?)

Both Federal & California

- New pesticide registrations (of interest – urban, outdoor broadcast or concentrated use or potentially significant wastewater discharge of a pesticide with high aquatic toxicity or that is a priority pollutant) – DPR decision on cyantraniliprole
- Urban Pesticides Committee (Information-sharing forum on urban pesticide use and water quality) – Next meeting in spring 2012
- Unaddressed Pyrethroid priorities:
 - Water column aquatic toxicity data (*Hyaella* LC50s)
 - Understanding DPR's plan for effectiveness monitoring once surface water regulations are implemented.
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- Indoxacarb – New pyrethroid substitute with degradates that are relatively persistent and highly toxic to aquatic organisms. Used both indoors & outdoors. Consider Background Memo in Spring 2011 to summarize basic information including its aquatic toxicity, usage, and monitoring data. This memo is needed to support team's education and work with EPA and DPR.