

## Pesticides Regulatory Action Plan – January 2016

Item/Next Steps	Comments Due
<p><b>U.S. EPA Pesticide <a href="#">Registration Review</a></b> (15-year cycle)</p> <p><i>Registration Review work plans:</i></p> <ul style="list-style-type: none"> <li>• Diuron (303(d) listing and TMDL in development)</li> <li>• Dicamba</li> </ul> <p><i>Registration review environmental risk assessments:</i></p> <ul style="list-style-type: none"> <li>• Simazine (303(d) listings; CV WB high relative risk)</li> <li>• Chlorpyrifos (303[d] listings and TMDLs)</li> <li>• Malathion</li> <li>• Diazinon (303[d] listings and TMDLs)</li> <li>• Glyphosate (controversial, UP3 Partner interest)</li> </ul>	<p>??</p> <p>??</p> <p>??</p> <p>??</p> <p>??</p>
<p><i>Registration Review meetings with EPA:</i></p> <ul style="list-style-type: none"> <li>• Workshop on ESA case study risk assessments - malathion, diazinon, chlorpyrifos (Washington DC + webcast?)</li> <li>• UP3 teleconference meeting on pyrethroids risk assessment</li> </ul>	<p><b>Jan 25</b></p> <p>Spring (TBD)</p>
<p><b>EPA Rulemaking</b></p> <p><i>Proposed elimination of some OPP Federal Register Notices</i></p> <ul style="list-style-type: none"> <li>• Notice of proposed rulemaking</li> </ul>	<p>Spring 2016?</p>
<p><b>DPR Pesticide Management</b></p> <ul style="list-style-type: none"> <li>• Fipronil approach &amp; Pyrethroids regulations enforcement <ul style="list-style-type: none"> <li>○ Meeting with DPR</li> <li>○ Review draft fipronil regulations draft</li> </ul> </li> </ul>	<p>Feb 22</p> <p>Feb-Mar</p>
<p><b>Water Board Strategy to Optimize Resource Management of Storm Water</b></p> <p><i>Will lay out groundwork for statewide urban pesticide plan</i></p> <ul style="list-style-type: none"> <li>• State Water Board decision meeting</li> <li>• Small group kickoff meeting</li> </ul>	<p>Jan 6</p> <p>Jan 28</p>
<p><b>Water Board TMDLs</b></p> <p><i>Central Coast – Salinas River Pyrethroids</i></p> <ul style="list-style-type: none"> <li>• Public Meeting (Salinas)</li> </ul> <p><i>Central Valley – Pyrethroids</i></p> <ul style="list-style-type: none"> <li>• Stakeholder meeting (Rancho Cordova &amp; Teleconference)</li> </ul>	<p>Jan 18</p> <p>Jan 19</p>
<p><b>Scientific Meetings</b></p> <ul style="list-style-type: none"> <li>• American Chemical Society (San Diego) (No UP3 Participant)</li> </ul>	<p>March 13-17</p>

### EPA missed deadlines – attempting to obtain information

**Items to watch for:**

Federal

- U.S. EPA Pesticide Registration Applications and Registration Reviews (of interest – urban, outdoor broadcast or concentrated use or pyrethroid/fipronil alternative AND a pesticide with high aquatic toxicity or that is a priority pollutant) (Registration applications occur at any time; Registration reviews begin quarterly, usually in March, June, September, and December)
- Provide input to U.S. EPA on registration reviews about 9 months prior to risk assessments for highest priority pesticides

- Responses to past team comments and revised documents (e.g., U.S. EPA Registration Review, EPA Registrations)
- EPA effectiveness evaluation of Registration Review process to identify enhancements and efficiencies (was scheduled for Oct 2014-Sept 2015)
- U.S. EPA Update to [Guidelines for Deriving Aquatic Life Water Quality Criteria](#)
- Final U.S. EPA Nanoscale Materials Pesticides Policy and nanocopper regulation petition decision (status unclear; removed from OPP website in 2015)
- Endangered species consultations/litigation ([Nationwide](#) methodologies could significantly modify urban pesticide evaluation methods; some [California](#) cases could affect California urban pesticide use)
- [Pyrethroid product labels](#) that improve water quality protections (some done, rest not until registration review completed for all pyrethroids, may be as late as 2020)

#### California

- Water Board [Phase II Small MS4 General Permit](#) to add Pesticide TMDL implementation provisions in Regions 2, 3, & 5 (formal comments/State Board hearing next step)
- Central Valley Water Board Basin Plan Amendments [Pyrethroids](#) (Board workshop Feb. or April 2016, adoption vote in June 2016); [Diuron](#) (workshop & adoption vote 2016); [Diazinon/Chlorpyrifos](#) (awaiting US EPA approval)
- Central Valley Water Board updated water quality criteria for [bifenthrin, cyfluthrin, cypermethrin, esfenvalerate, lambda-cyhalothrin, and permethrin](#) (public comment period to be in conjunction with Pyrethroids Basin Plan Amendment)
- Central Valley Water Board final [Sediment Criteria Methodology](#) and final sediment criteria for [bifenthrin, esfenvalerate, and permethrin](#) (no schedule)
- Central Coast [Lower Salinas River watershed sediment toxicity \(pyrethroids\) TMDL](#) (Public review of Draft TMDL report next step)
- State Water Board [Policy for Toxicity Assessment and Control](#) (New proposal Jan. 2016/State Water Board workshop April 2016; Pesticides are primary cause of toxicity in California watersheds)
- NPDES Permits (track toxicity testing & other pesticide-related provisions)
- Pesticide/toxicity [303\(d\) listings](#) (to be updated by region – 2014 cycle—Regions 3,5,9—in 2016; 2016 cycle—Regions 2,4,8—in 2016?)
- California Department of Food & Agriculture [Program EIR on invasive species control](#) covering potential broadcast pesticide applications urban areas of multiple pesticides on UP3 Partnership priority pesticide list (finalized Dec. 2014; currently in litigation)

#### 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 initial decisions on fipronil foam product, momfluorothrin (new pyrethroid), copper-silver-zinc marine antifouling paint, and Smart Sponge Plus (for use in storm drains)
  - DPR final decision on PathShield (for use in storm drains)

## Pesticides Regulatory Action Plan – April 2016

Item/Next Steps	Comments Due
<p><b>U.S. EPA Pesticide <a href="#">Registration Review</a></b> (15-year cycle)</p> <p><i>Registration Review work plans:</i></p> <ul style="list-style-type: none"> <li>• Dicamba (phenoxy herbicides are on DPR interest list)</li> </ul> <p><i>Registration review environmental risk assessments:</i></p> <ul style="list-style-type: none"> <li>• Simazine (303[d] listings; CV WB high relative risk)</li> <li>• Copper (303[d] listings and TMDLs)</li> <li>• Chlorpyrifos (303[d] listings and TMDLs)</li> <li>• Malathion (303[d] listings; CV WB high relative risk)</li> <li>• Diazinon (303[d] listings and TMDLs)</li> <li>• Glyphosate (controversial, UP3 Partner interest)</li> <li>• Spinosad (toxicity, use pattern)</li> <li>• 2,4-D, PBO, Pyrethrins</li> <li>• Pyrethroids, fipronil, imidacloprid</li> </ul>	<p style="text-align: center;">July</p> <p style="text-align: center;">June?</p> <p style="text-align: center;">June?</p> <p style="text-align: center;">June?</p> <p style="text-align: center;">June?</p> <p style="text-align: center;">June?</p> <p style="text-align: center;">June?</p> <p style="text-align: center;">Aug?</p> <p style="text-align: center;">Nov?</p> <p style="text-align: center;">Feb 2017?</p>
<p><i>Registration Review meetings with EPA:</i></p> <ul style="list-style-type: none"> <li>• 2-day workshop on ESA case study risk assessments - malathion, diazinon, chlorpyrifos (Washington / webcast?)</li> <li>• UP3 teleconference meeting on pyrethroids risk assessment</li> </ul>	<p style="text-align: center;">June?</p> <p style="text-align: center;">Spring (TBD)</p>
<p><b>EPA Rulemaking</b></p> <p><i>Proposed elimination of some OPP Federal Register Notices</i></p> <ul style="list-style-type: none"> <li>• Notice of proposed rulemaking</li> </ul>	<p style="text-align: center;">Spring 2016?</p>
<p><b>Water Board TMDLs</b></p> <p>Central Coast <a href="#">Lower Salinas River watershed sediment toxicity (pyrethroids) TMDL</a></p> <ul style="list-style-type: none"> <li>• Adoption hearing (day TBD within 2-day Board meeting)</li> </ul>	<p style="text-align: center;">May 12 or 13</p>
<p><b>DPR Pesticide Management</b></p> <ul style="list-style-type: none"> <li>• Fipronil approach &amp; Pyrethroids regulations enforcement <ul style="list-style-type: none"> <li>○ Update meeting with DPR (invitees only)</li> <li>○ Review draft fipronil mitigation plan?</li> </ul> </li> </ul>	<p style="text-align: center;">June-July Summer?</p>
<p><b>Scientific Meetings</b></p> <ul style="list-style-type: none"> <li>• American Chemical Society (Philadelphia)</li> <li>• SETAC (Orlando)</li> </ul>	<p style="text-align: center;">Aug 21-25 Nov 6-10</p>

**Items to watch for:**

Federal

- U.S. EPA Pesticide Registration Applications and Registration Reviews (of interest – urban, outdoor broadcast or concentrated use or pyrethroid/fipronil alternative AND a pesticide with high aquatic toxicity or that is a priority pollutant) (Registration applications occur at any time; Registration reviews begin quarterly, usually in March, June, September, and December)
- Provide input to U.S. EPA on registration reviews about 9 months prior to risk assessments for highest priority pesticides
- Responses to past team comments and revised documents (e.g., U.S. EPA Registration Review, EPA Registrations)

- EPA effectiveness evaluation of Registration Review process to identify enhancements and efficiencies (was scheduled for Oct 2014-Sept 2015)
- U.S. EPA Update to [Guidelines for Deriving Aquatic Life Water Quality Criteria](#)
- Final U.S. EPA Nanoscale Materials Pesticides Policy and nanocopper regulation petition decision (status unclear; removed from OPP website in 2015)
- Endangered species consultations/litigation ([Nationwide](#) methodologies could significantly modify urban pesticide evaluation methods; some [California](#) cases could affect California urban pesticide use)
- [Pyrethroid product labels](#) that improve water quality protections (some done, rest not until registration review completed for all pyrethroids, may be as late as 2020)

#### California

- DPR Fipronil regulations (or alternative control strategy) (late 2016)
- Water Board Statewide Urban Pesticide Reduction Plan (in development with CASQA's participation; Board workshop and adoption vote in 2017)
- Water Board [Phase II Small MS4 General Permit](#) to add Pesticide TMDL implementation provisions in Regions 2, 3, & 5 (revised draft available for comment April 2016; State Board hearing September 2016)
- Central Valley Water Board Basin Plan Amendments [Pyrethroids](#) (approach under review; workshop June or later, adoption vote in August or later); [Diuron](#) (next steps in 2016); [Diazinon/Chlorpyrifos](#) (awaiting US EPA approval)
- Central Valley Water Board updated water quality criteria for [bifenthrin](#), [cyfluthrin](#), [cypermethrin](#), [esfenvalerate](#), [lambda-cyhalothrin](#), and [permethrin](#) (public comment period to be in conjunction with Pyrethroids Basin Plan Amendment)
- Central Valley Water Board final [Sediment Criteria Methodology](#) and final sediment criteria for [bifenthrin](#), [esfenvalerate](#), and [permethrin](#) (no schedule)
- State Water Board [Policy for Toxicity Assessment and Control](#) (New proposal July 2016/State Water Board workshop July 2016; Pesticides are primary cause of toxicity in California watersheds)
- NPDES Permits (track toxicity testing & other pesticide-related provisions)
- Pesticide/toxicity [303\(d\) listings](#) (to be updated by region – 2014 cycle—Regions 3,5,9—in 2016; 2016 cycle—Regions 2,4,8—in 2016?)
- California Department of Food & Agriculture [Program EIR on invasive species control](#) covering potential broadcast pesticide applications urban areas of multiple pesticides on UP3 Partnership priority pesticide list (finalized Dec. 2014; currently in litigation)

#### 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 initial decisions on five momfluorothrin urban products (new pyrethroid), copper-silver-zinc marine antifouling paint, storm drain root control product, new urban indoxacarb product, and Fabguard and Smart Sponge Plus (for use in storm drains)
  - DPR final decision on PathShield (for use in storm drains) and fipronil foam product

## Pesticides Regulatory Action Plan – May 2016

Item/Next Steps	Comments Due
<p><b>U.S. EPA Pesticide <a href="#">Registration Review</a></b> (15-year cycle)</p> <p><i>Registration Review work plans:</i></p> <ul style="list-style-type: none"> <li>• Dicamba (phenoxy herbicides are on DPR interest list)</li> </ul> <p><i>Registration review environmental risk assessments:</i></p> <ul style="list-style-type: none"> <li>• Chlorpyrifos (303[d] listings and TMDLs)</li> <li>• Malathion (303[d] listings; CV WB high relative risk)</li> <li>• Diazinon (303[d] listings and TMDLs)</li> <li>• Simazine (303[d] listings; CV WB high relative risk)</li> <li>• Copper (303[d] listings and TMDLs)</li> <li>• Glyphosate (controversial, UP3 Partner interest)</li> <li>• Spinosad (toxicity, use pattern)</li> <li>• 2,4-D, PBO, Pyrethrins</li> <li>• Pyrethroids, fipronil, imidacloprid</li> </ul>	<p style="text-align: center;">July</p> <p style="text-align: center;"><b>June 10</b></p> <p style="text-align: center;"><b>June 10</b></p> <p style="text-align: center;"><b>June 10</b></p> <p style="text-align: center;">June?</p> <p style="text-align: center;">June?</p> <p style="text-align: center;">June?</p> <p style="text-align: center;">Aug?</p> <p style="text-align: center;">Nov?</p> <p style="text-align: center;">Feb 2017?</p>
<p><i>Registration Review meetings with EPA:</i></p> <ul style="list-style-type: none"> <li>• Technical briefing (webcast) on ESA case study risk assessments (malathion, diazinon, chlorpyrifos)</li> <li>• 2-day workshop on ESA case study risk assessments</li> <li>• UP3 teleconference meeting on pyrethroids risk assessment</li> </ul>	<p style="text-align: center;"><b>May 5</b></p> <p style="text-align: center;">June?</p> <p style="text-align: center;">Spring (TBD)</p>
<p><b>EPA Rulemaking</b></p> <p><i>Proposed elimination of some OPP Federal Register Notices</i></p> <ul style="list-style-type: none"> <li>• Notice of proposed rulemaking</li> </ul>	<p style="text-align: center;">Spring 2016?</p>
<p><b>Water Board TMDLs/Pesticide Control Programs</b></p> <p><i>Central Coast <a href="#">Lower Salinas River watershed sediment toxicity (pyrethroids) TMDL</a> Adoption hearing (in Watsonville)</i></p> <p><i>Central Valley Water Quality Criteria Development</i></p> <ul style="list-style-type: none"> <li>• Public review of draft criteria documents for oxyfluorfen, prometryn, simazine, trifluralin (available June 1) <ul style="list-style-type: none"> <li>○ Informal comments</li> <li>○ Formal comments</li> </ul> </li> <li>• Public review of draft criteria document for fipronil &amp; degradates (available August 1) <ul style="list-style-type: none"> <li>○ Informal comments</li> <li>○ Formal comments</li> </ul> </li> </ul>	<p style="text-align: center;"><b>May 13</b></p> <p style="text-align: center;">June 30</p> <p style="text-align: center;">Sept 1</p> <p style="text-align: center;">Aug 31</p> <p style="text-align: center;">Nov 1</p>
<p><b>DPR Pesticide Management</b></p> <ul style="list-style-type: none"> <li>• Fipronil approach &amp; Pyrethroids regulations enforcement <ul style="list-style-type: none"> <li>○ Update meeting with DPR (invitees only)</li> <li>○ Review draft fipronil mitigation plan?</li> </ul> </li> </ul>	<p style="text-align: center;">June-July</p> <p style="text-align: center;">Summer?</p>
<p><b>Scientific Meetings</b></p> <ul style="list-style-type: none"> <li>• American Chemical Society (Philadelphia)</li> <li>• SETAC (Orlando)</li> </ul>	<p style="text-align: center;">Aug 21-25</p> <p style="text-align: center;">Nov 6-10</p>

**Items to watch for:**

Federal

- U.S. EPA Pesticide Registration Applications and Registration Reviews (of interest – urban, outdoor broadcast or concentrated use or pyrethroid/fipronil alternative AND a pesticide with high aquatic toxicity or that is a priority pollutant) (Registration applications occur at any time; Registration reviews begin quarterly, usually in March, June, September, and December)
- Responses to past team comments and revised documents (e.g., U.S. EPA Registration Review, EPA Registrations)
- EPA effectiveness evaluation of Registration Review process to identify enhancements and efficiencies (was scheduled for Oct 2014-Sept 2015)
- U.S. EPA Update to [Guidelines for Deriving Aquatic Life Water Quality Criteria](#)
- Final U.S. EPA Nanoscale Materials Pesticides Policy and nanocopper regulation petition decision (status unclear; removed from OPP website in 2015)
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#### California

- DPR Fipronil regulations (or alternative control strategy) (late 2016)
- Water Board Statewide Urban Pesticide Reduction Plan (in development with CASQA's participation; Board workshop and adoption vote in 2017)
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- Central Valley Water Board updated water quality criteria for [bifenthrin](#), [cyfluthrin](#), [cypermethrin](#), [esfenvalerate](#), [lambda-cyhalothrin](#), and [permethrin](#) (public comment period to be in conjunction with Pyrethroids Basin Plan Amendment)
- Central Valley Water Board final [Sediment Criteria Methodology](#) and final sediment criteria for [bifenthrin](#), [esfenvalerate](#), and [permethrin](#) (no schedule)
- State Water Board [Policy for Toxicity Assessment and Control](#) (New proposal July 2016/State Water Board workshop July 2016; Pesticides are primary cause of toxicity in California watersheds)
- NPDES Permits (track toxicity testing & other pesticide-related provisions)
- Pesticide/toxicity [303\(d\) listings](#) (to be updated by region – 2014 cycle—Regions 3,5,9—in 2016; 2016 cycle—Regions 2,4,8—in 2016?)
- California Department of Food & Agriculture [Program EIR on invasive species control](#) covering potential broadcast pesticide applications urban areas of multiple pesticides on UP3 Partnership priority pesticide list (currently in litigation)

#### Both Federal & California

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  - DPR final decision on PathShield (for storm drains) and fipronil foam

## Pesticides Regulatory Action Plan – June 2016

Item/Next Steps	Comments Due
<p><b>U.S. EPA Pesticide <a href="#">Registration Review</a></b> (15-year cycle)</p> <p><i>Registration Review work plans:</i></p> <ul style="list-style-type: none"> <li>Dicamba (phenoxy herbicides are on DPR interest list)</li> </ul> <p><i>Registration review environmental risk assessments:</i></p> <ul style="list-style-type: none"> <li><b>Malathion</b> (303[d] listings; CV WB high relative risk)</li> <li>Chlorpyrifos, Diazinon (303[d] listings and TMDLs)</li> <li><b>Copper</b> (303[d] listings and TMDLs)</li> <li>2,4-D (frequently detected), Simazine (303[d] listings; CV WB high relative risk), <b>Spinosad</b> (toxicity, use pattern)</li> <li><b>Pyrethroids</b></li> <li><b>Dichlobenil</b> (toxicity, use pattern), <b>MGK-264</b> (pyrethroids synergist), Pyrethrins (related to pyrethroids but less toxic)</li> <li><b>Fipronil, imidacloprid</b></li> </ul>	<p style="text-align: center;">July</p> <p style="text-align: center;"><b>June 10</b> <b>June 10</b></p> <p style="text-align: center;">Aug Aug</p> <p style="text-align: center;">Oct-Nov Nov Feb 2017?</p>
<p><i>Registration Review meetings with EPA:</i></p> <ul style="list-style-type: none"> <li>2-day workshop on ESA case study risk assessments</li> <li>UP3 teleconference meeting on pyrethroids risk assessment</li> </ul>	<p style="text-align: center;">July? July?</p>
<p><b>EPA Rulemaking</b></p> <p><i>Proposed elimination of some OPP Federal Register Notices</i></p> <ul style="list-style-type: none"> <li>Notice of proposed rulemaking</li> </ul>	<p style="text-align: center;">Aug?</p>
<p><b>Water Board TMDLs/Pesticide Control Programs</b></p> <p><i>Central Coast <a href="#">Lower Salinas River watershed sediment toxicity (pyrethroids) TMDL</a></i></p> <ul style="list-style-type: none"> <li>Board vote (hearing closed)</li> </ul> <p><i>Central Valley Water Board Basin Plan Amendments <a href="#">Pyrethroids</a></i></p> <ul style="list-style-type: none"> <li>Stakeholder meeting</li> <li>Board Workshop on monitoring</li> </ul> <p><i>Central Valley Water Quality Criteria Development</i></p> <ul style="list-style-type: none"> <li>Public review of draft criteria documents for oxyfluorfen, prometryn, simazine, trifluralin (available June 1) <ul style="list-style-type: none"> <li>Informal comments</li> <li>Formal comments</li> </ul> </li> <li>Public review of draft criteria document for fipronil &amp; degradates (available August 1) <ul style="list-style-type: none"> <li>Informal comments</li> <li>Formal comments</li> </ul> </li> </ul>	<p style="text-align: center;">July 28 or 29</p> <p style="text-align: center;"><b>June 1</b> <b>June 23 or 24</b></p> <p style="text-align: center;"><b>June 30</b> Sept 1</p> <p style="text-align: center;">Aug 31 Nov 1</p>
<p><b>DPR Pesticide Management</b></p> <ul style="list-style-type: none"> <li>Fipronil approach &amp; Pyrethroids regulations enforcement <ul style="list-style-type: none"> <li>Update meeting with DPR (invitees only)</li> <li>Review draft fipronil mitigation plan?</li> </ul> </li> </ul>	<p style="text-align: center;">July? Summer?</p>
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  - DPR final decision on PathShield (for storm drains) and fipronil foam



## Pesticides Regulatory Action Plan – July 2016

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<p><b>U.S. EPA Pesticide <a href="#">Registration Review</a></b> (15-year cycle)</p> <p><i>Registration Review work plans:</i></p> <ul style="list-style-type: none"> <li>• Dicamba (phenoxy herbicides are on DPR interest list)</li> </ul> <p><i>Registration review environmental risk assessments:</i></p> <ul style="list-style-type: none"> <li>• <b>Copper</b> (303[d] listings and TMDLs)</li> <li>• 2,4-D (frequently detected), Simazine (303[d] listings; CV WB high relative risk), <b>Spinosad</b> (toxicity, use pattern)</li> <li>• <b>Pyrethroids</b></li> <li>• <b>Dichlobenil</b> (toxicity, use pattern), <b>MGK-264</b> (pyrethroids synergist), Pyrethrins (related to pyrethroids but less toxic)</li> <li>• <b>Fipronil, imidacloprid, Carbaryl</b> (Endangered Species Act format pilot)</li> </ul>	<p>Late Aug?</p> <p>Lae Aug? Late Aug?</p> <p>Oct-Nov Nov</p> <p>Feb 2017?</p>
<p><i>Registration Review meetings with EPA:</i></p> <ul style="list-style-type: none"> <li>• 2-day workshop on ESA case study risk assessments</li> <li>• UP3 teleconference meeting on pyrethroids risk assessment</li> </ul>	<p>June 29-30 July?</p>
<p><b>EPA Rulemaking</b></p> <p><i>Proposed elimination of some OPP Federal Register Notices</i></p> <ul style="list-style-type: none"> <li>• Notice of proposed rulemaking</li> </ul>	<p>Aug?</p>
<p><b>Water Board TMDLs/Pesticide Control Programs</b></p> <p><i>Central Coast <a href="#">Lower Salinas River watershed sediment toxicity (pyrethroids) TMDL</a></i></p> <ul style="list-style-type: none"> <li>• Board vote (hearing closed)</li> </ul> <p><i>Central Valley Water Board Basin Plan Amendments <a href="#">Pyrethroids</a></i></p> <ul style="list-style-type: none"> <li>• Board workshop on regulatory approach</li> <li>• Documents released for public comment/informal meeting</li> <li>• Board hearing</li> <li>• Board vote</li> </ul> <p><i>Central Valley Water Quality Criteria Development (finalize in 2017)</i></p> <ul style="list-style-type: none"> <li>• Public review of draft criteria documents for oxyfluorfen, prometryn, simazine, trifluralin (available June 1) <ul style="list-style-type: none"> <li>○ Informal comments/input for peer review</li> <li>○ Formal comments</li> </ul> </li> <li>• Public review of draft criteria document for fipronil &amp; degradates (available August 1) <ul style="list-style-type: none"> <li>○ Informal comments/input for peer review</li> <li>○ Formal comments</li> </ul> </li> </ul>	<p>July 28 or 29</p> <p>Aug 18 or 19 Sept Oct 13 or 14 Dec 5 or 6</p> <p>July 15 Sept 16</p> <p>Aug 31 Nov 1</p>
<p><b>DPR Pesticide Management</b></p> <ul style="list-style-type: none"> <li>• Fipronil approach &amp; Pyrethroids regulations enforcement <ul style="list-style-type: none"> <li>○ Update meeting with DPR (invitees only)</li> <li>○ Review draft fipronil mitigation plan?</li> </ul> </li> </ul>	<p>September? September?</p>
<p><b>Scientific Meetings</b></p> <ul style="list-style-type: none"> <li>• American Chemical Society (Philadelphia)</li> <li>• SETAC (Orlando)</li> </ul>	<p>Aug 21-25 Nov 6-10</p>

## Items to watch for:

### Federal

- U.S. EPA Pesticide Registration Applications and Registration Reviews (of interest – urban, outdoor broadcast or concentrated use or pyrethroid/fipronil alternative AND a pesticide with high aquatic toxicity or that is a priority pollutant) (Registration applications occur at any time; Registration reviews begin quarterly, usually in March, June, September, and December)
- Responses to past team comments and revised documents
- EPA effectiveness evaluation of Registration Review process to identify enhancements and efficiencies (was scheduled for Oct 2014-Sept 2015)
- U.S. EPA Update to [Guidelines for Deriving Aquatic Life Water Quality Criteria](#)
- Final U.S. EPA Nanoscale Materials Pesticides Policy and nanocopper regulation petition decision (status unclear; removed from OPP website in 2015)
- Endangered species consultations/litigation ([Nationwide](#) methodologies could significantly modify urban pesticide evaluation methods; some [California](#) cases could affect California urban pesticide use)
- [Pyrethroid product labels](#) that improve water quality protections (some done, rest not until registration review completed for all pyrethroids, may be as late as 2020)

### California

- DPR Fipronil regulations (or alternative control strategy) (late 2016)
- Water Board Statewide Urban Pesticide Reduction Plan (in development with CASQA's participation; Board workshop and adoption vote in 2017)
- Water Board [Phase II Small MS4 General Permit](#) to add Pesticide TMDL implementation provisions in Regions 2, 3, & 5 (revised draft available for comment soon; State Board hearing October 2016)
- Central Valley Water Board Basin Plan Amendments [Diuron](#) (next steps in 2016); [Diazinon/Chlorpyrifos](#) (awaiting US EPA approval)
- Central Valley Water Board updated water quality criteria for [bifenthrin](#), [cyfluthrin](#), [cypermethrin](#), [esfenvalerate](#), [lambda-cyhalothrin](#), and [permethrin](#) (public comment period to be in conjunction with Pyrethroids Basin Plan Amendment)
- Central Valley Water Board final [Sediment Criteria Methodology](#) and final sediment criteria for [bifenthrin](#), [esfenvalerate](#), and [permethrin](#) (no schedule)
- State Water Board [Policy for Toxicity Assessment and Control](#) (New proposal July 2016/State Water Board workshop July 2016; Pesticides are primary cause of toxicity in California watersheds)
- NPDES Permits (track toxicity testing & other pesticide-related provisions)
- Pesticide/toxicity [303\(d\) listings](#) (to be updated by region – 2014 cycle—Regions 3,5,9—in 2016; 2016 cycle—Regions 2,4,8—in 2016?)
- California Department of Food & Agriculture [Program EIR on invasive species control](#) covering potential broadcast pesticide applications urban areas of multiple pesticides on UP3 Partnership priority pesticide list (currently in litigation)

### 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 initial decisions on five momfluorothrin urban products (new pyrethroid), copper-silver-zinc marine antifouling paint, storm drain root control product, new urban indoxacarb product, and Fabguard and Smart Sponge Plus (for use in storm drains)
  - DPR final decision on PathShield (for storm drains) and fipronil foam

## Pesticides Regulatory Action Plan – August 2016

Item/Next Steps	Comments Due
<p><b>U.S. EPA Pesticide <a href="#">Registration Review</a></b> (15-year cycle)</p> <p><i>Registration Review work plans:</i></p> <ul style="list-style-type: none"> <li>• Dicamba (phenoxy herbicides are on DPR interest list)</li> </ul> <p><i>Registration review environmental risk assessments:</i></p> <ul style="list-style-type: none"> <li>• <b>Copper</b> (303[d] listings and TMDLs)</li> <li>• 2,4-D (frequently detected), Simazine (303[d] listings; CV WB high relative risk), <b>Spinosad</b> (toxicity, use pattern)</li> <li>• <b>Pyrethroids</b></li> <li>• <b>Dichlobenil</b> (toxicity, use pattern), <b>MGK-264</b> (pyrethroids synergist), Pyrethrins (related to pyrethroids but less toxic)</li> <li>• <b>Fipronil, Imidacloprid, Carbaryl</b> (Endangered Species Act format pilot)</li> </ul>	<p style="text-align: center;">Sept 13</p> <p style="text-align: center;">Sept? Sept?</p> <p style="text-align: center;">Oct-Nov Nov</p> <p style="text-align: center;">Feb 2017?</p>
<p><i>Registration Review meetings with EPA:</i></p> <ul style="list-style-type: none"> <li>• UP3 teleconference meeting on pyrethroids risk assessment</li> </ul>	<p style="text-align: center;">July or Aug?</p>
<p><b>EPA Rulemaking</b></p> <p><i>Proposed elimination of some OPP Federal Register Notices</i></p> <ul style="list-style-type: none"> <li>• Notice of proposed rulemaking</li> </ul>	<p style="text-align: center;">Aug?</p>
<p><b>Water Board TMDLs/Pesticide Control Programs</b></p> <p><i>Central Coast <a href="#">Lower Salinas River watershed sediment toxicity (pyrethroids) TMDL</a></i></p> <ul style="list-style-type: none"> <li>• Board vote (hearing closed)</li> </ul> <p><i>Central Valley Water Board Basin Plan Amendments <a href="#">Pyrethroids</a></i></p> <ul style="list-style-type: none"> <li>• Board workshop on regulatory approach</li> <li>• Documents released for public comment/informal meeting</li> <li>• Board hearing</li> <li>• Board vote</li> </ul> <p><i>Central Valley Water Quality Criteria Development (finalize in 2017)</i></p> <ul style="list-style-type: none"> <li>• Public review of draft criteria documents for oxyfluorfen, prometryn, simazine, trifluralin (available June 1) <ul style="list-style-type: none"> <li>○ Informal comments/input for peer review</li> <li>○ Formal comments</li> </ul> </li> <li>• Public review of draft criteria document for fipronil &amp; degradates (available August 1) <ul style="list-style-type: none"> <li>○ Informal comments/input for peer review</li> <li>○ Formal comments</li> </ul> </li> </ul>	<p style="text-align: center;">July 28 or 29</p> <p style="text-align: center;">Aug 18 or 19 Sept Oct 13 or 14 Dec 5 or 6</p> <p style="text-align: center;">July 15 Sept 16</p> <p style="text-align: center;">Aug 31 Nov 1</p>
<p><b>DPR Pesticide Management</b></p> <ul style="list-style-type: none"> <li>• Fipronil approach &amp; Pyrethroids regulations enforcement <ul style="list-style-type: none"> <li>○ Update meeting with DPR (invitees only)</li> <li>○ Review draft fipronil mitigation plan?</li> </ul> </li> </ul>	<p style="text-align: center;">September? September?</p>
<p><b>Scientific Meetings</b></p> <ul style="list-style-type: none"> <li>• American Chemical Society (Philadelphia)</li> <li>• SETAC (Orlando)</li> </ul>	<p style="text-align: center;">Aug 21-25 Nov 6-10</p>

## Items to watch for:

### Federal

- U.S. EPA Pesticide Registration Applications and Registration Reviews (of interest – urban, outdoor broadcast or concentrated use or pyrethroid/fipronil alternative AND a pesticide with high aquatic toxicity or that is a priority pollutant) (Registration applications occur at any time; Registration reviews begin quarterly, usually in March, June, September, and December)
- Responses to past team comments and revised documents
- EPA effectiveness evaluation of Registration Review process to identify enhancements and efficiencies (was scheduled for Oct 2014-Sept 2015)
- U.S. EPA Update to [Guidelines for Deriving Aquatic Life Water Quality Criteria](#)
- Final U.S. EPA Nanoscale Materials Pesticides Policy and nanocopper regulation petition decision (status unclear; removed from OPP website in 2015)
- Endangered species consultations/litigation ([Nationwide](#) methodologies could significantly modify urban pesticide evaluation methods; some [California](#) cases could affect California urban pesticide use)
- [Pyrethroid product labels](#) that improve water quality protections (some done, rest not until registration review completed for all pyrethroids, may be as late as 2020)

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- DPR Fipronil regulations (or alternative control strategy) (late 2016)
- Water Board Statewide Urban Pesticide Reduction Plan (in development with CASQA's participation; Board workshop and adoption vote in 2017)
- Water Board [Phase II Small MS4 General Permit](#) to add Pesticide TMDL implementation provisions in Regions 2, 3, & 5 (revised draft available for comment soon; State Board hearing October 2016)
- Central Valley Water Board Basin Plan Amendments [Diuron](#) (next steps in 2016); [Diazinon/Chlorpyrifos](#) (awaiting US EPA approval)
- Central Valley Water Board updated water quality criteria for [bifenthrin](#), [cyfluthrin](#), [cypermethrin](#), [esfenvalerate](#), [lambda-cyhalothrin](#), and [permethrin](#) (public comment period to be in conjunction with Pyrethroids Basin Plan Amendment)
- Central Valley Water Board final [Sediment Criteria Methodology](#) and final sediment criteria for [bifenthrin](#), [esfenvalerate](#), and [permethrin](#) (no schedule)
- State Water Board [Policy for Toxicity Assessment and Control](#) (New proposal July 2016/State Water Board workshop July 2016; Pesticides are primary cause of toxicity in California watersheds)
- NPDES Permits (track toxicity testing & other pesticide-related provisions)
- Pesticide/toxicity [303\(d\) listings](#) (to be updated by region – 2014 cycle—Regions 3,5,9—in 2016; 2016 cycle—Regions 2,4,8—in 2016?)
- California Department of Food & Agriculture [Program EIR on invasive species control](#) covering potential broadcast pesticide applications urban areas of multiple pesticides on UP3 Partnership priority pesticide list (currently in litigation)

### 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 initial decisions on five momfluorothrin urban products (new pyrethroid), copper-silver-zinc marine antifouling paint, storm drain root control product, new urban indoxacarb product, and Fabguard and Smart Sponge Plus (for use in storm drains)
  - DPR final decision on PathShield (for storm drains) and fipronil foam

## Pesticides Regulatory Action Plan – October 2016

Item/Next Steps	Comments Due
<p><b>U.S. EPA Pesticide <a href="#">Registration Review</a></b> (15-year cycle)  <i>Registration review environmental risk assessments:</i>                      Highest Priority</p> <ul style="list-style-type: none"> <li>• Pyrethroids (303[d] listings and TMDLs)</li> <li>• Copper (303[d] listings and TMDLs), Spinosad (toxicity, use pattern)</li> <li>• Fipronil, Imidacloprid, Dichlobenil (toxicity, use pattern), Carbaryl (Endangered Species Act format pilot) (Anticipated 303[d] listings for all three)</li> </ul> <p>Others</p> <ul style="list-style-type: none"> <li>• 2,4-D (frequently detected), MGK-264 (pyrethroids synergist), Pyrethrins (related to pyrethroids but less toxic)</li> </ul>	<p style="text-align: center;">Nov?  <span style="background-color: yellow;">Nov. 18</span></p> <p style="text-align: center;">Feb 2017?</p> <p style="text-align: center;">Nov?</p>
<p><i>Registration Review meetings with EPA:</i></p> <ul style="list-style-type: none"> <li>• UP3 teleconference meeting on pyrethroids risk assessment</li> </ul>	Oct?
<p><b>EPA Rulemaking</b>  <i>Proposed elimination of some OPP Federal Register Notices</i></p> <ul style="list-style-type: none"> <li>• Notice of proposed rulemaking</li> </ul>	Nov?
<p><b>Water Board TMDLs/Pesticide Control Programs</b>  <i>Central Coast <a href="#">Lower Salinas River watershed sediment toxicity (pyrethroids) TMDL</a> Board vote (hearing closed)</i></p> <p><i>Central Valley Water Board Basin Plan Amendments <a href="#">Pyrethroids</a></i></p> <ul style="list-style-type: none"> <li>• Informal meeting</li> <li>• Board hearing (Redding, CA)</li> <li>• Board vote</li> </ul> <p><i>Central Valley Water Quality Criteria Development (finalize in 2017)</i></p> <ul style="list-style-type: none"> <li>• Public review of draft criteria document for fipronil &amp; degradates (available in September)                             <ul style="list-style-type: none"> <li>○ Informal comments/input for peer review</li> <li>○ Formal comments</li> </ul> </li> </ul>	<p style="text-align: center;">Dec 8-9?</p> <p style="text-align: center;">Sept 26                      Oct 13 - 14                      Dec 5 - 6</p> <p style="text-align: center;">Sept-Oct                      Nov?</p>
<p><b>Water Board Permits</b>  <i>Water Board <a href="#">Phase II Small MS4 General Permit Attachment G</a> – adds Pesticide TMDL implementation provisions in Regions 2, 3, &amp; 5</i></p> <ul style="list-style-type: none"> <li>• Revised draft – 45-day comment period</li> <li>• State Water Board hearing</li> </ul>	<p style="text-align: center;">Early Nov.?                      Mar 2017</p>
<p><b>DPR Pesticide Management</b></p> <ul style="list-style-type: none"> <li>• Fipronil approach &amp; Pyrethroids regulations enforcement                             <ul style="list-style-type: none"> <li>○ Update meeting with DPR (invitees only)</li> <li>○ Review draft fipronil mitigation plan?</li> </ul> </li> </ul>	<p style="text-align: center;">Oct?                      Oct?</p>
<p><b>Scientific Meetings</b></p> <ul style="list-style-type: none"> <li>• SETAC (Orlando)</li> </ul>	Nov 6-10

## Items to watch for:

### Federal

- U.S. EPA Pesticide Registration Applications and Registration Reviews (of interest – urban, outdoor broadcast or concentrated use or pyrethroid/fipronil alternative AND a pesticide with high aquatic toxicity or that is a priority pollutant) (Registration applications occur at any time; Registration reviews begin quarterly, usually in March, June, September, and December)
- Responses to past team comments and revised documents
- EPA effectiveness evaluation of Registration Review process to identify enhancements and efficiencies (was scheduled for Oct 2014-Sept 2015)
- U.S. EPA Update to [Guidelines for Deriving Aquatic Life Water Quality Criteria](#)
- Final U.S. EPA Nanoscale Materials Pesticides Policy and nanocopper regulation petition decision (status unclear; removed from OPP website in 2015)
- Endangered species consultations/litigation ([Nationwide](#) methodologies could significantly modify urban pesticide evaluation methods; some [California](#) cases could affect California urban pesticide use)
- [Pyrethroid product labels](#) that improve water quality protections (some done, rest not until registration review completed for all pyrethroids, may be as late as 2020)

### California

- DPR Fipronil regulations (or alternative control strategy) (late 2016)
- Water Board [Statewide Urban Pesticide Reduction Plan](#) (in development with CASQA's participation; Board workshop 2017 and adoption vote in 2018)
- Central Valley Water Board Basin Plan Amendments [Diuron](#) (next steps in 2016); [Diazinon/Chlorpyrifos](#) (awaiting US EPA approval)
- Central Valley Water Board updated water quality criteria for [bifenthrin, cyfluthrin, cypermethrin, esfenvalerate, lambda-cyhalothrin, and permethrin](#) (public comment period to be in conjunction with Pyrethroids Basin Plan Amendment); final criteria documents for oxyfluorfen, prometryn, simazine, trifluralin (2017)
- Central Valley Water Board final [Sediment Criteria Methodology](#) and final sediment criteria for [bifenthrin, esfenvalerate, and permethrin](#) (no schedule)
- State Water Board [Policy for Toxicity Assessment and Control](#) (New proposal Nov 2016/State Water Board hearing 1/17 and vote 3/17; Pesticides are primary cause of toxicity in California watersheds)
- NPDES Permits (track toxicity testing & other pesticide-related provisions)
- Pesticide/toxicity [303\(d\) listings](#) (to be updated by region – Regions 2,3,4,5,8,9— Regional Board review in 2016/early 2017/State Board review no later than 8/17)
- California Department of Food & Agriculture [Program EIR on invasive species control](#) covering potential broadcast pesticide applications urban areas of multiple pesticides on UP3 Partnership priority pesticide list (currently in litigation)

### 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 initial decisions on five momfluorothrin urban products (new pyrethroid), copper-silver-zinc marine antifouling paint, storm drain root control product, new urban indoxacarb product, and Fabguard and Smart Sponge Plus (for use in storm drains)
  - DPR final decision on PathShield (for storm drains) and fipronil foam

## Pesticides Regulatory Action Plan – November 2016

Item/Next Steps	Comments Due
<p><b>U.S. EPA Pesticide <a href="#">Registration Review</a></b> (15-year cycle)</p> <p><i>Registration review environmental risk assessments:</i></p> <p><u>Highest Priority</u></p> <ul style="list-style-type: none"> <li>• Copper (303[d] listings and TMDLs), Spinosad (toxicity, use pattern)</li> <li>• Pyrethroids (303[d] listings and TMDLs); Fipronil, Imidacloprid, Carbaryl (Endangered Species Act format pilot) (Anticipated 303[d] listings for all three); Dichlobenil (toxicity, use pattern)</li> </ul> <p><u>Others</u></p> <ul style="list-style-type: none"> <li>• MGK-264 (pyrethroids synergist), Pyrethrins (related to pyrethroids but less toxic)</li> </ul>	<p style="text-align: center;"><b>Nov. 18</b></p> <p style="text-align: center;">Feb 2017</p> <p style="text-align: center;">Feb 2017</p>
<p><i>Registration Review meetings with EPA:</i></p> <ul style="list-style-type: none"> <li>• UP3 teleconference meeting on pyrethroids risk assessment</li> </ul>	Early 2017
<p><b>EPA Rulemaking</b></p> <p><i>Proposed elimination of some OPP Federal Register Notices</i></p> <ul style="list-style-type: none"> <li>• Notice of proposed rulemaking</li> </ul>	Dec?
<p><b>Water Board TMDLs/Pesticide Control Programs</b></p> <p><i>Central Coast <a href="#">Lower Salinas River watershed sediment toxicity (pyrethroids) TMDL</a> Board vote (hearing closed)</i></p> <p><i>Central Valley Water Board Basin Plan Amendments <a href="#">Pyrethroids</a></i></p> <ul style="list-style-type: none"> <li>• Written comments (documents available 11/4)</li> <li>• Board hearing</li> <li>• Board vote</li> </ul> <p><i>Central Valley Water Quality Criteria Development</i></p> <ul style="list-style-type: none"> <li>• Public review of draft criteria document for fipronil &amp; degradates <ul style="list-style-type: none"> <li>○ Informal comments/input for peer review</li> <li>○ Formal comments</li> </ul> </li> </ul>	<p style="text-align: center;">Dec 8-9?</p> <p style="text-align: center;">Dec 19 Dec 5 or 6 Feb 23 or 24</p> <p style="text-align: center;"><b>Nov 11</b> Jan 20</p>
<p><b>Water Board Permits</b></p> <p><i>Water Board <a href="#">Phase II Small MS4 General Permit Attachment G</a> – adds Pesticide TMDL implementation provisions in Regions 2, 3, &amp; 5</i></p> <ul style="list-style-type: none"> <li>• Revised draft – 45-day comment period</li> <li>• State Water Board hearing</li> </ul>	<p style="text-align: center;">Mid-Dec? Mar 2017</p>
<p><b>DPR Pesticide Management</b></p> <ul style="list-style-type: none"> <li>• Fipronil approach &amp; Pyrethroids regulations enforcement <ul style="list-style-type: none"> <li>○ Update meeting with DPR (invitees only)</li> <li>○ Review draft fipronil mitigation plan?</li> </ul> </li> </ul>	<p style="text-align: center;">Early 2017? Early 2017?</p>
<p><b>Scientific Meetings</b></p> <ul style="list-style-type: none"> <li>• SETAC (Orlando)</li> </ul>	Nov 6-10

## Items to watch for:

### Federal

- U.S. EPA Pesticide Registration Applications and Registration Reviews (of interest – urban, outdoor broadcast or concentrated use or pyrethroid/fipronil alternative AND a pesticide with high aquatic toxicity or that is a priority pollutant) (Registration applications occur at any time; Registration reviews begin quarterly, usually in March, June, September, and December)
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- Central Valley Water Board updated water quality criteria for [bifenthrin, cyfluthrin, cypermethrin, esfenvalerate, lambda-cyhalothrin, and permethrin](#) (public comment period to be in conjunction with Pyrethroids Basin Plan Amendment); final criteria documents for oxyfluorfen, prometryn, simazine, trifluralin (by April 2017)
- Central Valley Water Board final [Sediment Criteria Methodology](#) and final sediment criteria for [bifenthrin, esfenvalerate, and permethrin](#) (no schedule)
- State Water Board [Policy for Toxicity Assessment and Control](#) (New proposal Nov 2016/State Water Board hearing 1/17 and vote 3/17; Pesticides are primary cause of toxicity in California watersheds)
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### Both Federal & California

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