

Pesticides Regulatory Action Plan – January 2017

Item/Next Steps	Comments Due
<p>U.S. EPA Pesticide Registration Review (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"> • Pyrethroids (303[d] listings and TMDLs) (<i>Comment period extension requests are pending</i>) • Imidacloprid (anticipated 303[d] listings); • Carbaryl (Endangered Species Act pilot; anticipated 303[d] listings); Dichlobenil (toxicity, use pattern) • Fipronil (anticipated 303[d] listings) <p><u>Others</u></p> <ul style="list-style-type: none"> • MGK-264 (pyrethroids synergist), Pyrethrins (related to pyrethroids but less toxic) • 2,4-D (monitoring priority); Trifluralin (303[d] listing) • Pendimethalin (monitoring priority) • Glyphosate (member interest; Endangered Species Act pilot); Indoxacarb (toxicity; use pattern) 	<p style="text-align: center;">Jan 30</p> <p style="text-align: center;">Feb-Mar? May?</p> <p style="text-align: center;">Aug?</p> <p style="text-align: center;">Jan 30</p> <p style="text-align: center;">Feb-Mar? May? Aug?</p>
<p><i>Registration Review proposed decisions:</i></p> <ul style="list-style-type: none"> • Copper, Malathion, Spinosad 	<p style="text-align: center;">Aug?</p>
<p><i>Registration Review meetings with EPA:</i></p> <ul style="list-style-type: none"> • UP3 teleconference meetings on pyrethroids risk assessment 	<p style="text-align: center;">Jan</p>
<p>Water Board TMDLs/Pesticide Control Programs</p> <p><i>STORMS Statewide Pesticides Plan Amendment for Urban Runoff</i></p> <ul style="list-style-type: none"> • CEQA Scoping Public Meetings <p><i>Central Valley Water Board Basin Plan Amendments Pyrethroids</i></p> <ul style="list-style-type: none"> • Written comments (documents available 1/12) • Board hearing • Board vote <p><i>Central Valley Water Quality Criteria Development</i></p> <ul style="list-style-type: none"> • Draft criteria document for fipronil & degradates 	<p style="text-align: center;">Mar 14?</p> <p style="text-align: center;">Feb 27 Feb 23 or 24 June 8 or 9</p> <p style="text-align: center;">Jan 20</p>
<p>Water Board Permits</p> <p><i>Water Board Phase II Small MS4 General Permit Attachment G – adds Pesticide TMDL implementation provisions in Regions 2, 3, & 5</i></p> <ul style="list-style-type: none"> • Revised draft – 45-day comment period • State Water Board hearing 	<p style="text-align: center;">Feb? Mar 2017</p>
<p>DPR Pesticide Management</p> <ul style="list-style-type: none"> • Fipronil approach & Pyrethroids regulations enforcement <ul style="list-style-type: none"> ○ Update meeting with DPR (invitees only) 	<p style="text-align: center;">Spring 2017?</p>
<p>Scientific Meetings</p> <ul style="list-style-type: none"> • American Chemical Society (San Francisco) 	<p style="text-align: center;">April 2-6</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
- Proposed rule to eliminate some OPP Federal Register Notices (fall 2016?)
- 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) (early 2017)
- Water Board STORMS [Statewide Urban Pesticide Reduction Plan](#) Amendments (in development with CASQA's participation; Board workshop 2017; adoption vote in 2018)
- *Central Coast* [Lower Salinas River watershed sediment toxicity \(pyrethroids\) TMDL](#) Board vote (hearing closed; Board vote in 2017)
- Central Valley Water Board Basin Plan Amendments [Diuron](#) (next steps in 2017); [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 (by 4/17)
- 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 2017/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—State Board review no later than Aug. 2017
- 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 – February 2017

Item/Next Steps	Comments Due
<p>U.S. EPA Pesticide Registration Review (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"> • Pyrethroids (303[d] listings and TMDLs) • Imidacloprid (anticipated 303[d] listings) • Carbaryl (Endangered Species Act pilot; anticipated 303[d] listings); Dichlobenil (toxicity, use pattern) • Fipronil (anticipated 303[d] listings) <p><u>Others</u></p> <ul style="list-style-type: none"> • MGK-264 (pyrethroids synergist), Pyrethrins (related to pyrethroids but less toxic) • 2,4-D (monitoring priority); Trifluralin (303[d] listing) • Pendimethalin (monitoring priority) • Glyphosate (member interest; Endangered Species Act pilot); Indoxacarb (toxicity; use pattern); PBO (pyrethroids synergist) 	<p style="text-align: center;">Mar 31 Mar-Apr? May? Aug?</p> <p style="text-align: center;">Jan 30</p> <p style="text-align: center;">Mar-Apr? May? Aug?</p>
<p><i>Registration Review proposed decisions:</i></p> <ul style="list-style-type: none"> • Copper, Malathion, Spinosad <ul style="list-style-type: none"> ○ Informal input recommended on Malathion 	<p style="text-align: center;">Aug? Feb-Mar</p>
<p><i>Registration Review meetings with EPA:</i></p> <ul style="list-style-type: none"> • UP3 teleconference meetings on pyrethroids risk assessment 	<p style="text-align: center;">Feb?</p>
<p>Water Board TMDLs/Pesticide Control Programs</p> <p><i>STORMS Statewide Pesticide Reduction Plan Amendment for Urban Runoff</i> (in development with CASQA participation)</p> <ul style="list-style-type: none"> • CEQA Scoping Public Meeting – Sacramento • CEQA Scoping Public Meeting – Los Angeles • State Water Board workshop • State Water Board adoption vote <p><i>Central Valley Water Board Basin Plan Amendments Pyrethroids</i></p> <ul style="list-style-type: none"> • Written comments • Board hearing • Board vote 	<p style="text-align: center;">Mar 14 Mar 17 Late 2017 2018</p> <p style="text-align: center;">Mar 17 Feb 23 or 24 June 8 or 9</p>
<p>DPR Pesticide Management</p> <ul style="list-style-type: none"> • Fipronil approach & Pyrethroids regulations enforcement <ul style="list-style-type: none"> ○ Update meeting with DPR (invitees only) 	<p style="text-align: center;">Spring 2017?</p>
<p>Scientific Meetings</p> <ul style="list-style-type: none"> • American Chemical Society (San Francisco) <ul style="list-style-type: none"> ○ DPR-organized pesticides in surface water session 	<p style="text-align: center;">April 2-6 April 4</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) (can occur any time)

- Responses to past team comments and revised documents (can occur any time)
- Proposed rule to eliminate some OPP Federal Register Notices (no schedule)
- U.S. EPA Update to [Guidelines for Deriving Aquatic Life Water Quality Criteria](#). Next step - draft scoping document and science advisory panel (Spring 2017). Seeking OPP engagement.
- 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 2022)

California

- DPR Fipronil regulations (or alternative control strategy) (early 2017)
- Central Coast [Lower Salinas River watershed sediment toxicity \(pyrethroids\) TMDL](#) Board vote (hearing closed; Board vote in 2017)
- Central Valley Water Board Basin Plan Amendments [Diuron](#) (next steps in 2017); [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 [fipronil and degradates, oxyfluorfen, prometryn, simazine, trifluralin](#) (by 4/17)
- 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 5/17; State Water Board hearing 6/17 and vote 9/17; Pesticides are primary cause of toxicity in California watersheds)
- NPDES Permits (track toxicity testing & other pesticide-related provisions)
- State Water Board [Phase II Small MS4 General Permit](#) Attachment G – adds Pesticide TMDL implementation provisions in Regions 2, 3, & 5 (Next step is release of revised draft for comment - schedule unknown)
- Pesticide/toxicity [303\(d\) listings](#) (to be updated by region) – Regions 2,3,4,5,8,9—State Board review no later than Aug. 2017
- 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, Fabguard and Smart Sponge Plus (for use in storm drains), and fipronil landscaping product (Taurus Trio G)
 - DPR final decision on PathShield (for storm drains) and fipronil foam

Pesticides Regulatory Action Plan – March 2017

Item/Next Steps	Comments Due
<p>U.S. EPA Pesticide Registration Review (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"> • Pyrethroids (303[d] listings and TMDLs) • Imidacloprid (anticipated 303[d] listings) • Carbaryl (Endangered Species Act pilot; anticipated 303[d] listings); Dichlobenil (toxicity, use pattern) • Fipronil (anticipated 303[d] listings) <p><u>Others</u></p> <ul style="list-style-type: none"> • 2,4-D (monitoring priority); Trifluralin (303[d] listing) • Pendimethalin (monitoring priority) • Glyphosate (member interest; Endangered Species Act pilot); Indoxacarb (toxicity; use pattern); PBO (pyrethroids synergist) 	<p>May?</p> <p>May?</p> <p>May?</p> <p>Aug?</p> <p>May?</p> <p>May?</p> <p>Aug?</p>
<p><i>Registration Review proposed decisions:</i></p> <ul style="list-style-type: none"> • Copper, Malathion, Spinosad <ul style="list-style-type: none"> ○ Informal input recommended on Malathion 	<p>Aug?</p> <p>Mar</p>
<p>Water Board TMDLs/Pesticide Control Programs</p> <p><i>STORMS Statewide Pesticide Reduction Plan Amendment for Urban Runoff</i> (in development with CASQA participation)</p> <ul style="list-style-type: none"> • CEQA Scoping Public Meeting – Sacramento • CEQA Scoping Public Meeting – Los Angeles • State Water Board workshop • State Water Board adoption vote <p><i>Central Valley Water Board Basin Plan Amendments Pyrethroids</i></p> <ul style="list-style-type: none"> • Written comments • Board vote 	<p>Mar 14</p> <p>Mar 17</p> <p>Late 2017</p> <p>2018</p> <p>Mar 17</p> <p>June 8 or 9</p>
<p>DPR Pesticide Management</p> <ul style="list-style-type: none"> • Fipronil approach & Pyrethroids regulations enforcement <ul style="list-style-type: none"> ○ Update meeting with DPR (invitees only) 	<p>Spring 2017?</p>
<p>Scientific Meetings</p> <ul style="list-style-type: none"> • American Chemical Society (San Francisco) <ul style="list-style-type: none"> ○ DPR-organized pesticides in surface water sessions 	<p>April 2-6</p> <p>April 5 & 6</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) (can occur any time)
- Responses to past team comments and revised documents (can occur any time)
- Proposed rule to eliminate some OPP Federal Register Notices (no schedule)

- U.S. EPA Update to [Guidelines for Deriving Aquatic Life Water Quality Criteria](#). Next step - draft scoping document and science advisory panel (Spring 2017). Seeking OPP engagement.
- 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 2022)

California

- DPR Fipronil regulations (or alternative control strategy) (early 2017)
- *Central Coast* [Lower Salinas River watershed sediment toxicity \(pyrethroids\) TMDL](#) Board vote (hearing closed; Board vote in 2017)
- Central Valley Water Board Basin Plan Amendments [Diuron](#) (next steps in 2017); [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 [fipronil and degradates, oxyfluorfen, prometryn, simazine, trifluralin](#) (by 4/17)
- 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 5/17; State Water Board hearing 6/17 and vote 9/17; Pesticides are primary cause of toxicity in California watersheds)
- NPDES Permits (track toxicity testing & other pesticide-related provisions)
- State Water Board [Phase II Small MS4 General Permit](#) Attachment G – adds Pesticide TMDL implementation provisions in Regions 2, 3, & 5 (Next step is release of revised draft for comment - schedule unknown)
- Pesticide/toxicity [303\(d\) listings](#) (to be updated by region) – Regions 2,3,4,5,8,9—State Board review no later than Aug. 2017
- 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, Fabguard and Smart Sponge Plus (for use in storm drains), and fipronil landscaping product (Taurus Trio G)
 - DPR final decision on PathShield (for storm drains) and fipronil foam

Pesticides Regulatory Action Plan – April 2017

Item/Next Steps	Comments Due
<p>U.S. EPA Pesticide Registration Review (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"> • Pyrethroids (303[d] listings; TMDLs) • Imidacloprid (anticipated 303[d] listings) • Carbaryl (Endangered Species Act pilot; anticipated 303[d] listings) <p><u>Others</u></p> <ul style="list-style-type: none"> • 2,4-D (monitoring priority) • Pendimethalin (monitoring priority) • Dichlobenil (toxicity; use pattern) • Glyphosate (member interest due to high use and Prop. 65 cancer risk listing; Endangered Species Act pilot); Indoxacarb (toxicity; use pattern); Piperonyl butoxide (PBO) (pyrethroids synergist) 	<p>May/June? May/June? Aug?</p> <p>May/June? May/June? May/June? Aug?</p>
<p><i>Registration Review Endangered Species Act Biological Evaluation</i></p> <ul style="list-style-type: none"> • Malathion (303[d] listings) <ul style="list-style-type: none"> ○ Informal input on general (non-ESA) urban water quality recommended 	<p>May/June? April</p>
<p><i>Registration Review proposed decisions:</i></p> <ul style="list-style-type: none"> • Copper, Spinosad 	<p>Aug?</p>
<p>DPR Pesticide Management</p> <ul style="list-style-type: none"> • Fipronil approach & Pyrethroids regulations enforcement <ul style="list-style-type: none"> ○ Update meeting with DPR (invitees only) 	<p>Spring 2017?</p>
<p>DPR Registration</p> <ul style="list-style-type: none"> • Copper-silver-zinc marine antifouling paint 	<p>April 15</p>
<p>Scientific Meetings</p> <ul style="list-style-type: none"> • American Chemical Society (San Francisco) <ul style="list-style-type: none"> ○ DPR-organized pesticides in surface water sessions 	<p>April 2-6 April 5 & 6</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) (can occur any time)
- Responses to past team comments and revised documents (can occur any time)
- Proposed rule to eliminate some OPP Federal Register Notices (no schedule)
- U.S. EPA Update to [Guidelines for Deriving Aquatic Life Water Quality Criteria](#). Next step - draft scoping document and science advisory panel (Spring 2017). Seeking OPP engagement.
- 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 2022)

California

- STORMS [Statewide Pesticide Reduction Plan Amendment for Urban Runoff](#) (State Board workshop late 2017; adoption vote early 2018)
- Central Valley Water Board [Pyrethroids](#) Basin Plan Amendments (Board vote 6/17)
- DPR Fipronil regulations (or alternative control strategy) (2017)
- Central Coast [Lower Salinas River watershed sediment toxicity \(pyrethroids\) TMDL](#) Board vote (hearing closed; Board vote in 2017)
- Central Valley Water Board Basin Plan Amendments [Diuron](#) (next steps in 2017); [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 [fipronil and degradates, oxyfluorfen, prometryn, simazine, trifluralin](#) (by 4/17)
- 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 5/17; State Water Board hearing 6/17 and vote 9/17; Pesticides are primary cause of toxicity in California watersheds)
- NPDES Permits (track toxicity testing & other pesticide-related provisions)
- State Water Board [Phase II Small MS4 General Permit](#) Attachment G – adds Pesticide TMDL implementation provisions in Regions 2, 3, & 5 (Next step is release of revised draft for comment - schedule unknown)
- Pesticide/toxicity [303\(d\) listings](#) (to be updated by region) – Regions 2,3,4,5,8,9—State Board review no later than Aug. 2017
- 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), first dichlobenil storm drain root control product (Oblitiroot), new urban indoxacarb product (Avaunt), Fabguard (antimicrobial for use in storm drains), fipronil termiticide/insecticide (Navigator SC) and fipronil landscaping product (Taurus Trio G)
 - DPR final decision on PathShield (antimicrobial for storm drains) and fipronil foam product

Pesticides Regulatory Action Plan – May 2017

Item/Next Steps	Comments Due
<p>U.S. EPA Pesticide Registration Review (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"> • Pyrethroids (303[d] listings; TMDLs) • Imidacloprid (anticipated 303[d] listings) • Carbaryl (Endangered Species Act pilot; anticipated 303[d] listings) <p><u>Others</u></p> <ul style="list-style-type: none"> • 2,4-D (monitoring priority) • Pendimethalin (monitoring priority) • Dichlobenil (toxicity; use pattern) • Glyphosate (member interest due to high use and Prop. 65 cancer risk listing; Endangered Species Act pilot); Indoxacarb (toxicity; use pattern); Piperonyl butoxide (PBO) (pyrethroids synergist) 	<p>June/July? June/July? Aug?</p> <p>June/July? June/July? June/July?</p> <p>Aug?</p>
<p><i>Registration Review Endangered Species Act Biological Evaluation</i></p> <ul style="list-style-type: none"> • Malathion (303[d] listings) <ul style="list-style-type: none"> ○ Informal input on general (non-ESA) urban water quality recommended 	<p>June/July? ASAP</p>
<p><i>Registration Review proposed decisions:</i></p> <ul style="list-style-type: none"> • Copper, Spinosad 	<p>Aug?</p>
<p><i>Regulatory Reform</i></p> <ul style="list-style-type: none"> • EPA is seeking input on pesticide regulations that may be appropriate for repeal, replacement, or modification. <ul style="list-style-type: none"> ○ Written comments ○ Public meeting (call-in option available, but registration is closed) 	<p>May 15 May 4 (5:30 to 9 a.m.)</p>
<p>DPR Pesticide Management</p> <ul style="list-style-type: none"> • Fipronil approach & Pyrethroids regulations enforcement <ul style="list-style-type: none"> ○ Update meeting with DPR (invitees only) 	<p>Spring 2017?</p>
<p>Scientific Meetings</p> <ul style="list-style-type: none"> • American Chemical Society (Washington DC) – multiple pesticides in surface water sessions • Society of Environmental Toxicology & Chemistry (Minneapolis) – key pesticides science meeting 	<p>Aug 20-24</p> <p>Nov 12-16</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) (can occur any time)
- Responses to past team comments and revised documents (can occur any time)
- Proposed rule to eliminate some OPP Federal Register Notices (no schedule)

Pesticides Regulatory Action Plan – June 2017

Item/Next Steps	Comments Due
<p>U.S. EPA Pesticide Registration Review (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"> • Pyrethroids (303[d] listings; TMDLs) • Imidacloprid (anticipated 303[d] listings) • Carbaryl (Endangered Species Act pilot; anticipated 303[d] listings) <p><u>Others</u></p> <ul style="list-style-type: none"> • 2,4-D (monitoring priority) • Pendimethalin (monitoring priority) • Dichlobenil (toxicity; use pattern) • Glyphosate (member interest due to high use and Prop. 65 cancer risk listing; Endangered Species Act pilot); Indoxacarb (toxicity; use pattern); Piperonyl butoxide (PBO) (pyrethroids synergist) 	<p style="text-align: center;">July 7</p> <p>July/Aug? Aug/Sept?</p> <p>July/Aug? July/Aug? July/Aug?</p> <p>Aug/Sept?</p>
<p><i>Registration Review Endangered Species Act Biological Evaluation</i></p> <ul style="list-style-type: none"> • Malathion (303[d] listings) <ul style="list-style-type: none"> ○ Informal input on general (non-ESA) urban water quality recommended 	<p>July/August? ASAP</p>
<p><i>Registration Review proposed decisions:</i></p> <ul style="list-style-type: none"> • Copper, Spinosad 	<p>Aug?</p>
<p>DPR Pesticide Management</p> <ul style="list-style-type: none"> • Fipronil approach & Pyrethroids regulations enforcement <ul style="list-style-type: none"> ○ Update meeting with DPR (invitees only) 	<p>Summer 2017?</p>
<p>Water Board (Central Coast Region)</p> <ul style="list-style-type: none"> • Central Coast Lower Salinas River watershed sediment toxicity (pyrethroids) TMDL- Board hearing in Watsonville. Oral comments only; specific to the minor changes made in Basin Plan Amendment. 	<p>July 13-14</p>
<p>Scientific Meetings</p> <ul style="list-style-type: none"> • American Chemical Society (Washington DC) – multiple pesticides in surface water sessions • Society of Environmental Toxicology & Chemistry (Minneapolis) – key pesticides science meeting 	<p>Aug 20-24</p> <p>Nov 12-16</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) (can occur any time)
- Responses to past team comments and revised documents (can occur any time)
- Proposed rule to eliminate some OPP Federal Register Notices (no schedule)

- U.S. EPA Update to [Guidelines for Deriving Aquatic Life Water Quality Criteria](#). Next step - draft scoping document and science advisory panel (Spring 2017). Seeking OPP engagement.
- 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 2022)

California

- STORMS [Statewide Pesticide Reduction Plan Amendment for Urban Runoff](#) (State Board workshop late 2017; adoption vote early 2018).
- Central Valley Water Board [Pyrethroids](#) Basin Plan Amendments (Board vote 6/17)
- DPR Fipronil regulations (or alternative control strategy) (2017)
- Central Valley Water Board Basin Plan Amendments [Diuron](#) (next steps in 2017); [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 [fipronil and degradates](#), [oxyfluorfen](#), [prometryn](#), [simazine](#), [trifluralin](#) (Summer 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 in June; workshop 6/15; comments due 7/21; State Water Board hearing 7/5 and vote 10/17; Pesticides are primary cause of toxicity in California watersheds)
- NPDES Permits (track toxicity testing & other pesticide-related provisions)
- State Water Board [Phase II Small MS4 General Permit](#) Attachment G – adds Pesticide TMDL implementation provisions in Regions 2, 3, & 5 (Next step is release of revised draft for comment - schedule unknown)
- Pesticide/toxicity [303\(d\) listings](#) (to be updated by region) – Regions 2,3,4,5,8,9—State Board review no later than Aug. 2017
- 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), first dichlobenil storm drain root control product (Oblitroot), new urban indoxacarb product (Avaunt), Fabguard (antimicrobial for use in storm drains), fipronil termiticide/insecticide (Navigator SC) and fipronil landscaping product (Taurus Trio G), copper-silver-zinc marine antifouling paint (Tefcite).
 - DPR final decision on PathShield (antimicrobial for storm drains).

- U.S. EPA Update to [Guidelines for Deriving Aquatic Life Water Quality Criteria](#). Next step - draft scoping document and science advisory panel (Spring 2017). Seeking OPP engagement.
- 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 2022)

California

- STORMS [Statewide Pesticide Reduction Plan Amendment for Urban Runoff](#) (State Board workshop late 2017; adoption vote early 2018)
- Central Valley Water Board [Pyrethroids](#) Basin Plan Amendments (Board vote 6/17)
- DPR Fipronil regulations (or alternative control strategy) (2017)
- Central Coast [Lower Salinas River watershed sediment toxicity \(pyrethroids\) TMDL](#) Board vote (hearing closed; Board vote in 2017)
- Central Valley Water Board Basin Plan Amendments [Diuron](#) (next steps in 2017); [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 [fipronil and degradates, oxyfluorfen, prometryn, simazine, trifluralin](#) (by 4/17)
- 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 in June; workshop 6/15; comments due 7/21; State Water Board hearing 7/5 and vote 10/17; Pesticides are primary cause of toxicity in California watersheds)
- NPDES Permits (track toxicity testing & other pesticide-related provisions)
- State Water Board [Phase II Small MS4 General Permit](#) Attachment G – adds Pesticide TMDL implementation provisions in Regions 2, 3, & 5 (Next step is release of revised draft for comment - schedule unknown)
- Pesticide/toxicity [303\(d\) listings](#) (to be updated by region) – Regions 2,3,4,5,8,9—State Board review no later than Aug. 2017
- 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), first dichlobenil storm drain root control product (Oblitroot), new urban indoxacarb product (Avaunt), Fabguard (antimicrobial for use in storm drains), fipronil termiticide/insecticide (Navigator SC) and fipronil landscaping product (Taurus Trio G), copper-silver-zinc marine antifouling paint (Tefcite).
 - DPR final decision on PathShield (antimicrobial for storm drains) and fipronil foam product (Termidor Foam)

Pesticides Regulatory Action Plan – July 2017

Item/Next Steps	Comments Due
<p>U.S. EPA Pesticide Registration Review (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"> • Pyrethroids (303[d] listings; TMDLs) • Imidacloprid (anticipated 303[d] listings) • Carbaryl (Endangered Species Act pilot; anticipated 303[d] listings) <p><u>Others</u></p> <ul style="list-style-type: none"> • 2,4-D (monitoring priority) • Swimming pool products (Boric Acid) (model label language) • Pendimethalin (monitoring priority) • Dichlobenil (toxicity; use pattern) • Glyphosate (member interest due to high use and Prop. 65 cancer risk listing; Endangered Species Act pilot); Indoxacarb (toxicity; use pattern); Piperonyl butoxide (PBO) (pyrethroids synergist) 	<p style="text-align: center;">July 7 July 24 Aug/Sept?</p> <p style="text-align: center;">July 24 July 24 Aug? Aug? Aug/Sept?</p>
<p><i>Registration Review Endangered Species Act Biological Evaluation</i></p> <ul style="list-style-type: none"> • Malathion (303[d] listings) <ul style="list-style-type: none"> ○ Informal input on general (non-ESA) urban water quality recommended 	<p style="text-align: center;">July/August? ASAP</p>
<p><i>Registration Review proposed decisions:</i></p> <ul style="list-style-type: none"> • Copper, Spinosad 	<p style="text-align: center;">Aug?</p>
<p>DPR Pesticide Management</p> <ul style="list-style-type: none"> • Fipronil approach & Pyrethroids regulations enforcement <ul style="list-style-type: none"> ○ Update meeting with DPR (invitees only) 	<p style="text-align: center;">Summer 2017?</p>
<p>Water Board (Central Coast Region)</p> <ul style="list-style-type: none"> • Central Coast Lower Salinas River watershed sediment toxicity (pyrethroids) TMDL- Board hearing in Watsonville. Oral comments only; specific to the minor changes made in Basin Plan Amendment. 	<p style="text-align: center;">July 13-14</p>
<p>State Water Board</p> <ul style="list-style-type: none"> • Phase II Small MS4 General Permit Attachment G – adds Pesticide TMDL implementation provisions in Regions 2, 3, & 5. Public hearing July 5. • Pesticide/toxicity 303(d) listings – California Integrated Report and Los Angeles Region 	<p style="text-align: center;">July 20</p> <p style="text-align: center;">July 10</p>
<p>Scientific Meetings</p> <ul style="list-style-type: none"> • Water Boards' Surface Water Ambient Monitoring Program (SWAMP)- 2nd Annual Water Quality Health Indicator and Data Science Symposium • American Chemical Society (Washington DC) – multiple pesticides in surface water sessions • Society of Environmental Toxicology & Chemistry (Minneapolis) – key pesticides science meeting 	<p style="text-align: center;">June 29-30</p> <p style="text-align: center;">Aug 20-24</p> <p style="text-align: center;">Nov 12-16</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) (can occur any time)
- Responses to past team comments and revised documents (can occur any time)
- Proposed rule to eliminate some OPP Federal Register Notices (no schedule)
- U.S. EPA Update to [Guidelines for Deriving Aquatic Life Water Quality Criteria](#). Next step - draft scoping document and science advisory panel (no current schedule). Seeking OPP engagement.
- 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 2022)

California

- STORMS [Statewide Pesticide Reduction Plan Amendment for Urban Runoff](#) (State Board workshop late 2017; adoption vote early 2018).
- Central Valley Water Board [Pyrethroids](#) Basin Plan Amendments (awaiting State Water Board review)
- DPR Fipronil regulations (or alternative control strategy) (2017)
- Central Valley Water Board Basin Plan Amendments [Diuron](#) (next steps in 2017); [Diazinon/Chlorpyrifos](#) (awaiting US EPA approval)
- Central Valley Water Board updated water quality criteria for [bifenthrin](#), [cyfluthrin](#), [cypermethrin](#), [esfenvalerate](#), [lambda-cyhalothrin](#), and [permethrin](#) (no schedule); final criteria documents for [fipronil and degradates](#), [oxyfluorfen](#), [prometryn](#), [simazine](#), [trifluralin](#) (Summer 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 in 11/17; workshop 12/17; State Water Board hearing 1/18; Pesticides are primary cause of toxicity in California watersheds)
- NPDES Permits (track toxicity testing & other pesticide-related provisions)
- 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), first dichlobenil storm drain root control product (Oblitroot), new urban indoxacarb product (Avaunt), Fabguard (antimicrobial for use in storm drains), fipronil termiticide/insecticide (Navigator SC), fipronil landscaping product (Taurus Trio G), fipronil-imidacloprid foam outdoor product (Fuse Foam), and fipronil structural product label changes to protect water quality (Taurus SC and Termidor SC).
 - DPR final decision on PathShield (antimicrobial for storm drains)

Pesticides Regulatory Action Plan – August 2017

Item/Next Steps	Comments Due
<p>U.S. EPA Pesticide Registration Review (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"> • Carbaryl (Endangered Species Act pilot; anticipated 303[d] listings) <p><u>Others</u></p> <ul style="list-style-type: none"> • Pendimethalin (monitoring priority) • Dichlobenil (toxicity; use pattern) • Glyphosate (member interest due to high use and Prop. 65 cancer risk listing; Endangered Species Act pilot); Indoxacarb (toxicity; use pattern); Piperonyl butoxide (PBO) (pyrethroids synergist) 	<p>Aug/Sept?</p> <p>Aug/Sept?</p> <p>Aug/Sept?</p> <p>Aug/Sept?</p>
<p><i>Registration Review Endangered Species Act Biological Evaluation</i></p> <ul style="list-style-type: none"> • Malathion (303[d] listings) 	<p>August/Sept?</p>
<p><i>Registration Review proposed decisions:</i></p> <ul style="list-style-type: none"> • Copper (303[d] listings), Spinosad (toxicity; use pattern) 	<p>Aug/Sept?</p>
<p>Scientific Meetings</p> <ul style="list-style-type: none"> • American Chemical Society (Washington DC) – multiple pesticides in surface water sessions (<i>No UP3 representation</i>) • Society of Environmental Toxicology & Chemistry (Minneapolis) – key pesticides science meeting 	<p>Aug 20-24</p> <p>Nov 12-16</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) (can occur any time)
- Responses to past team comments and revised documents (can occur any time)
- Proposed rule to eliminate some OPP Federal Register Notices (no schedule)
- U.S. EPA Update to [Guidelines for Deriving Aquatic Life Water Quality Criteria](#). Next step - draft scoping document and science advisory panel (no current schedule). Seeking OPP engagement.
- 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 2022)

California

- STORMS [Statewide Pesticide Reduction Plan Amendment for Urban Runoff](#) (State Board workshop late 2017; adoption vote early 2018).
- Central Valley Water Board [Pyrethroids](#) Basin Plan Amendments and Central Coast [Lower Salinas River watershed sediment toxicity \(pyrethroids\) TMDL](#) (awaiting State Water Board review)

- [Phase II Small MS4 General Permit](#) Attachment G – adds Pesticide TMDL implementation provisions in Regions 2, 3, & 5. Public Hearing/vote winter 2017/18.
- [Pesticide/toxicity 303\(d\) listings – California Integrated Report and Los Angeles Region](#). Awaiting EPA Region 9 approval.
- DPR final approval of Fipronil label changes (anticipated by end of 2017)
- Central Valley Water Board Basin Plan Amendments [Diuron](#)
- Central Valley Water Board updated water quality criteria for [bifenthrin](#), [cyfluthrin](#), [cypermethrin](#), [esfenvalerate](#), [lambda-cyhalothrin](#), and [permethrin](#) (no schedule).
- 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 in 11/17; workshop 12/17; State Water Board hearing 1/18; Board consideration Summer 2018; Pesticides are primary cause of toxicity in California watersheds)
- NPDES Permits (track toxicity testing & other pesticide-related provisions)
- 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), new urban indoxacarb product (Avaunt), Fabguard (antimicrobial for use in storm drains), fipronil landscaping product (Taurus Trio G), and fipronil-imidacloprid foam outdoor product (Fuse Foam).
 - DPR final decision on proposed approval of fipronil structural product label changes to protect water quality (Taurus SC, Termidor SC, and Navigator SC).