

Pesticides Regulatory Action Plan – January 2019

Item/Next Steps	Comments Due
<p>U.S. EPA Pesticide Registration Review (15-year cycle) <i>Registration Review environmental risk assessments:</i> <u>Highest Priority</u> <i>none</i> <u>Others</u></p> <ul style="list-style-type: none"> • Zinc metal/salts (303[d] listings; TMDLs) • 2,4-DP (phenoxy herbicide); Triclosan (toxicity; member interest) • Oxyfluorfen (303[d] listings; toxicity) • MCPP (phenoxy herbicide); Thiophanate methyl (degradate toxicity; use patterns); Creosote (303[d] listings [PAHs]; toxicity, use patterns); Dichromic acid (toxicity); Pentachlorophenol (303[d] listings [Pentachlorophenol, Dioxins]; toxicity, use patterns) • Chlorothalonil (303[d] listings; toxicity); Triclopyr (toxicity; use pattern) 	<p style="text-align: center; background-color: yellow;">1/29/19</p> <p>Feb/Mar? Apr/May? Aug/Sept?</p> <p>Nov/Dec 2019?</p>
<p><i>Registration Review proposed decisions:</i> <u>Highest Priority</u></p> <ul style="list-style-type: none"> • Imidacloprid (anticipated 303[d] listings) • Pyrethroids (303[d] listings; TMDLs) <p><u>Others</u></p> <ul style="list-style-type: none"> • 2,4-D (herbicide); Glyphosate (member interest due to high use and Prop. 65 cancer risk listing) • Neonics (pyrethroids alternatives): Clothianidin, Dinotefuran, Thiamethoxam; Acetamiprid (toxicity); Dithiopyr (toxicity); Trifluralin (303[d] listings); Zinc metal/salts (303[d] listings; TMDLs); • PBO (synergist for pyrethroids); Pyrethrins (related to pyrethroids, but less stable and less toxic); Triclosan (toxicity; member interest) • 2,4-DP & MCPA (phenoxy herbicides); Simazine (303[d] listings) 	<p>Apr/May? Aug/Sept?</p> <p>Feb/Mar?</p> <p>Apr/May</p> <p>Aug/Sept</p> <p>Nov/Dec 2019?</p>
<p><i>Registration Review Endangered Species Act Integrated reviews</i></p> <ul style="list-style-type: none"> • Carbaryl – Risk Assessment 	<p>Delayed</p>
<p>Water Board TMDLs/Pesticide Control Programs State Water Board Policy for Toxicity Assessment and Control <i>Current pesticides are primary cause of aquatic toxicity in California.</i></p> <ul style="list-style-type: none"> • State Water Board Decision 	<p>Early 2019</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)

- U.S. EPA “Increasing Consistency and Transparency in Considering Costs and Benefits in the Rulemaking Process” affects how the U.S. EPA uses cost and benefit analysis in setting pollution standards. Comment period closed 8/18.
- U.S. EPA “Strengthening Transparency in Regulatory Science”. Would limit use of data from scientific literature. Comment period closed 8/18.
- Proposed rule to eliminate some OPP Federal Register Notices (was anticipated September 2018 according to U.S. EPA semi-annual regulatory agenda)
- U.S. EPA Update to [Guidelines for Deriving Aquatic Life Water Quality Criteria](#). External peer review of draft scoping document may occur in 2019. 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](#) (Public review and State Board workshop May 2019; adoption vote late 2019). [Work team report](#) on Urban Pesticides was released in August 2017.
- Central Valley Water Board [Pyrethroids](#) Basin Plan Amendments. State Water Board approved 7/10/18. Awaiting US EPA Region 9 decision.
- Central Valley Water Board final [Sediment Criteria Methodology](#) and final sediment criteria for [bifenthrin](#), [esfenvalerate](#), and [permethrin](#) (no schedule)
- Central Valley Water Board has decided to delist diuron, instead of pursuing a TMDL. The diuron impairments will be addressed through existing programs.
- 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 UP3 priority pesticides. In litigation (California Court of Appeal).

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: proposed new urban pyrethroids (five momfluorothrin products, one alpha-cypermethrin product and one transfluthrin product), fipronil-bifenthrin landscaping product (Taurus Trio G), fipronil termite product (Termidor HP II), fipronil-imidacloprid foam outdoor product (Fuse Foam), a proposed copper-microparticle containing paint additive (Guardiant), a new ant and termite product containing the proposed new pesticide broflanilide (Terinda/Vedira), and a novaluron product (TEKKO) that has conflicting label requirements.
- DPR final decision: proposed denial of deltamethrin impregnated window screen due to predicted water quality risk.

Pesticides Regulatory Action Plan – March 2019

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> none</p> <p><u>Others</u></p> <ul style="list-style-type: none"> • MCPA (<i>phenoxy herbicide</i>); Zinc metal/salts (<i>303[d] listings; TMDLs</i>) (due date extended due to shutdown) • 2,4-DP (<i>phenoxy herbicide</i>); Triclosan (<i>toxicity; member interest</i>) • Oxyfluorfen (<i>303[d] listings; toxicity</i>) • MCPP (<i>phenoxy herbicide</i>); Thiophanate methyl (<i>degradate toxicity; use patterns</i>); Creosote (<i>303[d] listings [PAHs]; toxicity, use patterns</i>); Dichromic acid (<i>toxicity</i>); Pentachlorophenol (<i>303[d] listings [Pentachlorophenol, Dioxins]; toxicity, use patterns</i>) • Chlorothalonil (<i>303[d] listings; toxicity</i>); Triclopyr (<i>toxicity; use pattern</i>) 	<p style="text-align: center;">3/15/19</p> <p>May/June? May/June? Aug/Sept?</p> <p>Nov/Dec?</p>
<p><i>Registration Review proposed decisions:</i></p> <p><u>Highest Priority</u></p> <ul style="list-style-type: none"> • Imidacloprid (<i>anticipated 303[d] listings</i>) • Pyrethroids (<i>303[d] listings; TMDLs</i>) <p><u>Others</u></p> <ul style="list-style-type: none"> • 2,4-D (<i>herbicide</i>); Glyphosate (<i>member interest due to high use and Prop. 65 cancer risk listing</i>) • Neonics (<i>pyrethroids alternatives</i>): Clothianidin, Dinotefuran, Thiamethoxam; Acetamiprid (<i>toxicity</i>); Dithiopyr (<i>toxicity</i>); Trifluralin (<i>303[d] listings</i>); Zinc metal/salts (<i>303[d] listings; TMDLs</i>); • PBO (<i>synergist for pyrethroids</i>); Pyrethrins (<i>related to pyrethroids, but less stable and less toxic</i>); Triclosan (<i>toxicity; member interest</i>) • 2,4-DP & MCPA (<i>phenoxy herbicides</i>); Simazine (<i>303[d] listings</i>) 	<p>May/June? Aug/Sept?</p> <p>May/June?</p> <p>May/June?</p> <p>Aug/Sept?</p> <p>Nov/Dec?</p>
<p><i>Registration Review Endangered Species Act Integrated reviews</i></p> <ul style="list-style-type: none"> • Carbaryl – Risk Assessment 	<p>Delayed</p>
<p>Water Board TMDLs/Pesticide Control Programs</p> <p>State Water Board Policy for Toxicity Assessment and Control</p> <p><i>Current pesticides are primary cause of aquatic toxicity in California.</i></p> <ul style="list-style-type: none"> • State Water Board Decision <p>State Water Board Urban Pesticides Amendments</p> <p><i>Strategy to Optimize Resource Management of Storm Water (STORMS) – Pesticides management strategy for urban runoff</i></p> <ul style="list-style-type: none"> • CEQA Scoping completed 3/17 • Work team report outlining proposed approach published (8/17) • State Water Board workshop • Public Comment Period • State Water Board Decision 	<p>Early 2019</p> <p>May May-June? Fall 2019</p>
<p>Central Valley Water Board: DRAFT Water Quality Criteria Report for Imidacloprid Phase III: Application of the pesticide water quality criteria methodology. Public comments due:</p>	<p style="text-align: center;">2/25/19</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)
- U.S. EPA “Increasing Consistency and Transparency in Considering Costs and Benefits in the Rulemaking Process” affects how the U.S. EPA uses cost and benefit analysis in setting pollution standards. Rule proposal expected in 5/19.
- U.S. EPA “Strengthening Transparency in Regulatory Science”. Would limit use of data from scientific literature. Final rule expected 1/20.
- Proposed rule to eliminate some OPP Federal Register Notices (was anticipated September 2018 according to U.S. EPA semi-annual regulatory agenda)
- U.S. EPA Update to [Guidelines for Deriving Aquatic Life Water Quality Criteria](#). External peer review of draft scoping document may occur in 2019. 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

- Central Valley Water Board [Pyrethroids](#) Basin Plan Amendments. State Water Board approved 7/10/18. Awaiting US EPA Region 9 decision.
- California Department of Food & Agriculture [Program EIR on invasive species control](#) covering potential broadcast pesticide applications urban areas of multiple UP3 priority pesticides. In litigation (California Court of Appeal).

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: proposed new urban pyrethroids (five momfluorothrin products, one alpha-cypermethrin product and one transfluthrin product), fipronil-bifenthrin landscaping product (Taurus Trio G), fipronil termite product (Termidor HP II), fipronil-imidacloprid foam outdoor product (Fuse Foam), a proposed copper-microparticle containing paint additive (Guardiant), a new ant and termite product containing the proposed new pesticide broflanilide (Terinda/Vedira), and a novaluron product (TEKKO) that has conflicting label requirements.

Pesticides Regulatory Action Plan – April 2019

Item/Next Steps	Comments Due
<p>U.S. EPA Pesticide Registration Review (15-year cycle) <i>Registration Review environmental risk assessments:</i> <u>Highest Priority</u> <i>none</i> <u>Others</u></p> <ul style="list-style-type: none"> • 2,4-DP (<i>phenoxy herbicide</i>); Triclosan (<i>toxicity; member interest</i>); Oxyfluorfen (<i>303[d] listings; toxicity</i>) • MCPP (<i>phenoxy herbicide</i>); Thiophanate methyl (<i>degrade toxicity; use patterns</i>); Creosote (<i>303[d] listings [PAHs]; toxicity, use patterns</i>); Dichromic acid (<i>toxicity</i>); Pentachlorophenol (<i>303[d] listings [Pentachlorophenol, Dioxins]; toxicity, use patterns</i>); Bromacil (<i>toxicity</i>) • Chlorothalonil (<i>303[d] listings; toxicity</i>); Triclopyr (<i>toxicity; use pattern</i>) 	<p>June/July?</p> <p>Aug/Sept?</p> <p>Nov/Dec?</p>
<p><i>Registration Review proposed decisions:</i> <u>Highest Priority</u></p> <ul style="list-style-type: none"> • Imidacloprid (<i>anticipated 303[d] listings</i>) • Pyrethroids (<i>303[d] listings; TMDLs</i>) <p><u>Others</u></p> <ul style="list-style-type: none"> • 2,4-D (<i>herbicide</i>); Glyphosate (<i>member interest due to high use and Prop. 65 cancer risk listing</i>) • Neonics (<i>pyrethroids alternatives</i>): Clothianidin, Dinotefuran, Thiamethoxam • Acetamiprid (<i>toxicity</i>); Dithiopyr (<i>toxicity</i>); Trifluralin (<i>303[d] listings</i>); Zinc metal/salts (<i>303[d] listings; TMDLs</i>); PBO (<i>synergist for pyrethroids</i>); Pyrethrins (<i>related to pyrethroids, but less stable and less toxic</i>); • 2,4-DP & MCPA (<i>phenoxy herbicides</i>); Simazine (<i>303[d] listings</i>); Triclosan (<i>toxicity; member interest</i>) 	<p>Sept?</p> <p>Nov?</p> <p>June/July?</p> <p>Sept?</p> <p>Delayed</p> <p>Nov/Dec?</p>
<p><i>Registration Review Endangered Species Act Integrated reviews</i></p> <ul style="list-style-type: none"> • Carbaryl – Risk Assessment 	<p>Delayed</p>
<p>CA Department of Pesticide Regulations (DPR) proposed carbaryl regulations would restrict use and end sale of consumer products</p> <ul style="list-style-type: none"> • Proposed regulation public comment period • Adoption 	<p>June/July</p> <p>Fall 2019</p>
<p>Water Board TMDLs/Pesticide Control Programs State Water Board Policy for Toxicity Assessment and Control <i>Current pesticides are primary cause of aquatic toxicity in California.</i></p> <ul style="list-style-type: none"> • State Water Board Decision <p>State Water Board Urban Pesticides Amendments <i>Strategy to Optimize Resource Management of Storm Water (STORMS)</i> <i>Pesticides management strategy for urban runoff CEQA Scoping (3/17)</i> Work team report (8/17)</p> <ul style="list-style-type: none"> • State Water Board workshop/public comment period begins • State Water Board Decision 	<p>April</p> <p>August</p> <p>December</p>

<p><u>Central Valley Water Board Pyrethroids Basin Plan Amendment and TMDL</u>. Awaiting US EPA Region 9 decision.</p> <ul style="list-style-type: none"> Stakeholder meeting to discuss implementation (exact date TBD) 	Spring 2019
<p>Scientific Meetings</p> <p><u>NorCal SETAC</u> Annual meeting; Sacramento</p> <p><u>State Water Board 2019 California Water Data Science Symposium</u></p> <p><u>American Chemical Society (San Diego CA)</u></p> <ul style="list-style-type: none"> Key pesticides science forum (UP3 participation uncertain) <p><u>SETAC (Toronto Canada)</u></p> <ul style="list-style-type: none"> Key pesticides science forum (no UP3 attendee) 	<p>May 3</p> <p>July 1-2</p> <p>Aug 25-29</p> <p>Nov 3-7</p>

Items to watch for:

Federal

- U.S. EPA Pesticide Registration Applications and Registration Reviews (of interest – urban, outdoor broadcast or concentrated use AND 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)
- U.S. EPA “Increasing Consistency and Transparency in Considering Costs and Benefits in the Rulemaking Process” affects how the U.S. EPA uses cost and benefit analysis in setting pollution standards. Rule proposal expected in 5/19.
- U.S. EPA “Strengthening Transparency in Regulatory Science”. Would limits use of data from scientific literature. Final rule expected 1/20.
- Proposed rule to eliminate some OPP Federal Register Notices (was anticipated September 2018 according to U.S. EPA semi-annual regulatory agenda)
- U.S. EPA Update to [Guidelines for Deriving Aquatic Life Water Quality Criteria](#). External peer review of draft scoping document may occur in 2019. 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

- Central Coast Water Board [Imidacloprid Water Quality Criteria](#). Being finalized.
- California Department of Food & Agriculture [Program EIR on invasive species control](#) covering potential broadcast pesticide applications urban areas of multiple UP3 priority pesticides. In litigation (California Court of Appeal).
- New pesticide registrations (of interest – urban, outdoor broadcast or concentrated use AND high aquatic toxicity or that is a priority pollutant) (can occur any time)
- DPR initial registration decisions: proposed new urban pyrethroids (five momfluorothrin products, one alpha-cypermethrin product and one transfluthrin product), fipronil-bifenthrin landscaping product (Taurus Trio G), fipronil termite product (Termidor HP II), fipronil-imidacloprid foam outdoor product (Fuse Foam), a proposed copper-microparticle containing paint additive (Guardiant), a new ant and termite product containing the proposed new pesticide broflanilide (Terinda/Vedira), a novaluron product (TEKKO) that has conflicting label requirements, and a fipronil product used outside on yellow jackets (MGK Formula 3115).

Pesticides Regulatory Action Plan – May 2019

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> <i>none</i></p> <p><u>Others</u></p> <ul style="list-style-type: none"> • Chlorine (<i>swimming pools</i>); Triclosan (<i>toxicity; member interest</i>) • 2,4-DP (<i>phenoxy herbicide</i>) • Oxyfluorfen (<i>303[d] listings; toxicity</i>); MCPP (<i>phenoxy herbicide</i>); Dichromic acid (<i>toxicity</i>); Pentachlorophenol (<i>303[d] listings [Pentachlorophenol, Dioxins]; use patterns</i>); Bromacil (<i>toxicity</i>) • Chlorothalonil (<i>303[d] listings; toxicity</i>); Triclopyr (<i>toxicity; use pattern</i>); Creosote (<i>303[d] listings [PAHs]; toxicity, use patterns</i>); • Thiophanate methyl (<i>degrade toxicity; use patterns</i>) 	<p style="text-align: center;">June 7 June/July? Aug/Sept?</p> <p style="text-align: center;">Nov/Dec?</p> <p style="text-align: center;">Jan/Feb 2020?</p>
<p><i>Registration Review proposed decisions:</i></p> <p><u>Highest Priority</u></p> <ul style="list-style-type: none"> • Imidacloprid (<i>anticipated 303[d] listings</i>) • Pyrethroids (<i>303[d] listings; TMDLs</i>) <p><u>Others</u></p> <ul style="list-style-type: none"> • Trifluralin (<i>303[d] listings</i>) • Neonics (<i>pyrethroids alternatives</i>): Clothianidin, Dinotefuran, Thiamethoxam; Acetamiprid (<i>toxicity</i>); Zinc metal/salts (<i>303[d] listings; TMDLs</i>) • 2,4-D (<i>herbicide</i>); Glyphosate (<i>member interest due to high use and Prop. 65 cancer risk listing</i>); PBO (<i>synergist for pyrethroids</i>); Dithiopyr (<i>toxicity</i>); Pyrethrins (<i>related to pyrethroids, but less stable and less toxic</i>); MCPA (<i>phenoxy herbicide</i>); Simazine (<i>303[d] listings</i>); Triclosan (<i>toxicity; member interest</i>) • 2,4-DP (<i>phenoxy herbicide</i>) 	<p style="text-align: center;">Sept? Nov?</p> <p style="text-align: center;">July? Sept?</p> <p style="text-align: center;">Nov/Dec?</p> <p style="text-align: center;">Jan/Feb 2020?</p>
<p><i>Registration Review Endangered Species Act Integrated reviews</i></p> <ul style="list-style-type: none"> • Methomyl (<i>toxicity; use pattern</i>) – Risk Assessment • Carbaryl (<i>toxicity; use pattern</i>) – Risk Assessment 	<p style="text-align: center;">Jan/Feb 2020? Delayed</p>
<p>CA Department of Pesticide Regulations (DPR) proposed carbaryl regulations would restrict use and end sale of consumer products</p> <ul style="list-style-type: none"> • Proposed regulation public comment period • Adoption 	<p style="text-align: center;">June/July Fall 2019</p>
<p>Water Board TMDLs/Pesticide Control Programs</p> <p>State Water Board Policy for Toxicity Assessment and Control</p> <p><i>Current pesticides are primary cause of aquatic toxicity in California.</i></p> <ul style="list-style-type: none"> • State Water Board Decision <p>State Water Board Urban Pesticides Amendments</p> <p><i>Strategy to Optimize Resource Management of Storm Water (STORMS)</i></p> <p><i>Pesticides management strategy for urban runoff CEQA Scoping (3/17)</i></p> <p>Work team report (8/17)</p> <ul style="list-style-type: none"> • State Water Board workshop/public comment period begins • State Water Board Decision 	<p style="text-align: center;">Sept</p> <p style="text-align: center;">August December</p>

<p>Central Valley Water Board Pyrethroids Basin Plan Amendment and TMDL Awaiting US EPA Region 9 decision.</p> <ul style="list-style-type: none"> Stakeholder meeting to discuss implementation 	<p>May 31</p>
<p>Scientific Meetings</p> <p>NorCal SETAC Annual meeting; Sacramento</p> <p>State Water Board 2019 California Water Data Science Symposium</p> <p>American Chemical Society (San Diego CA)</p> <ul style="list-style-type: none"> Key pesticides science forum (UP3 participation uncertain) <p>SETAC (Toronto Canada)</p> <ul style="list-style-type: none"> Key pesticides science forum (no UP3 attendee) 	<p>May 3</p> <p>July 1-2</p> <p>Aug 25-29</p> <p>Nov 3-7</p>

Items to watch for:

Federal

- U.S. EPA Pesticide Registration Applications and Registration Reviews (of interest – urban, outdoor broadcast or concentrated use AND 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)
- U.S. EPA “Increasing Consistency and Transparency in Considering Costs and Benefits in the Rulemaking Process” affects how the U.S. EPA uses cost and benefit analysis in setting pollution standards. Rule proposal expected in 5/19.
- U.S. EPA “Strengthening Transparency in Regulatory Science”. Would limits use of data from scientific literature. Final rule expected 1/20.
- Proposed rule to eliminate some OPP Federal Register Notices (was anticipated September 2018 according to U.S. EPA semi-annual regulatory agenda)
- U.S. EPA Update to [Guidelines for Deriving Aquatic Life Water Quality Criteria](#). External peer review of draft scoping document may occur in 2019. 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

- Central Coast Water Board [Imidacloprid Water Quality Criteria](#). Being finalized.
- California Department of Food & Agriculture [Program EIR on invasive species control](#) covering potential broadcast pesticide applications urban areas of multiple UP3 priority pesticides. In litigation (California Court of Appeal).
- New pesticide registrations (of interest – urban, outdoor broadcast or concentrated use AND high aquatic toxicity or that is a priority pollutant) (can occur any time)
- DPR initial registration decisions: proposed new urban pyrethroids (five momfluorothrin products, one alpha-cypermethrin product and one transfluthrin product), fipronil-bifenthrin landscaping product (Taurus Trio G), fipronil termite product (Termidor HP II), fipronil-imidacloprid foam outdoor product (Fuse Foam), a new ant and termite product containing the proposed new pesticide broflanilide (Terinda/Vedira), a novaluron product (TEKKO) that has conflicting label requirements, and a fipronil product used outside on yellow jackets (MGK Formula 3115).
- DPR final registration decision: proposed copper-microparticle containing paint additive (Guardiant)

Pesticides Regulatory Action Plan – June 2019

Item/Next Steps	Comments Due
<p>U.S. EPA Pesticide Registration Review (15-year cycle) <i>Registration Review environmental risk assessments:</i> <u>Highest Priority</u> - none <u>Others</u></p> <ul style="list-style-type: none"> • Chlorine (<i>swimming pools</i>) • Oxyfluorfen (<i>303[d] listings; toxicity</i>); MCPP (<i>phenoxy herbicide</i>); Dichromic acid (<i>toxicity</i>); Pentachlorophenol (<i>303[d] listings [Pentachlorophenol, Dioxins]; use patterns</i>); Bromacil (<i>toxicity</i>) • Chlorothalonil (<i>303[d] listings; toxicity</i>); Triclopyr (<i>toxicity; use pattern</i>); Creosote (<i>303[d] listings [PAHs]; toxicity, use patterns</i>); • Thiophanate methyl (<i>degradate toxicity; use patterns</i>) 	<p style="text-align: center;">June 7 Aug/Sept?</p> <p style="text-align: center;">Nov/Dec?</p> <p style="text-align: center;">Jan/Feb 2020?</p>
<p><i>Registration Review proposed decisions:</i> <u>Highest Priority</u></p> <ul style="list-style-type: none"> • Imidacloprid (<i>anticipated 303[d] listings</i>) • Pyrethroids (<i>303[d] listings; TMDLs</i>) <p><u>Others</u></p> <ul style="list-style-type: none"> • Hydramethylnon (<i>toxicity; use pattern</i>) • Neonics (<i>pyrethroids alternatives</i>): Clothianidin, Dinotefuran, Thiamethoxam; Acetamiprid (<i>toxicity</i>); Zinc metal/salts (<i>303[d] listings; TMDLs</i>); Chlorine Gas (<i>pool/spa use</i>); Halohydantoin (<i>pool/spa use</i>) • 2,4-D (<i>herbicide</i>); PBO (<i>synergist for pyrethroids</i>); Dithiopyr (<i>toxicity</i>); Pyrethrins (<i>related to pyrethroids, but less stable and less toxic</i>); MCPA (<i>phenoxy herbicide</i>); Simazine (<i>303[d] listings</i>); Triclosan (<i>toxicity; member interest</i>) • 2,4-DP (<i>phenoxy herbicide</i>) 	<p style="text-align: center;">Sept? Nov?</p> <p style="text-align: center;">July 23 Sept?</p> <p style="text-align: center;">Nov/Dec?</p> <p style="text-align: center;">Jan/Feb 2020?</p>
<p><i>Registration Review Endangered Species Act Integrated reviews</i></p> <ul style="list-style-type: none"> • Methomyl (<i>toxicity; use pattern</i>) – Risk Assessment • Carbaryl (<i>toxicity; use pattern</i>) – Risk Assessment 	<p style="text-align: center;">Jan/Feb 2020? Delayed</p>
<p>EPA Framework for Pesticides Risk Assessments Incorporating Endangered Species Act Biological Evaluations</p> <ul style="list-style-type: none"> • Public meeting • Comments due 	<p style="text-align: center;">June 10 July 1</p>
<p>CA Department of Pesticide Regulations (DPR) proposed carbaryl regulations would restrict use and end sale of consumer products</p> <ul style="list-style-type: none"> • Proposed regulation public comment period • Adoption 	<p style="text-align: center;">June/July Fall 2019</p>
<p>Water Board TMDLs/Pesticide Control Programs State Water Board Policy for Toxicity Assessment and Control <i>Current pesticides are primary cause of aquatic toxicity in California.</i></p> <ul style="list-style-type: none"> • State Water Board Decision <p>State Water Board Urban Pesticides Amendments <i>Strategy to Optimize Resource Management of Storm Water (STORMS)</i> <i>Pesticides management strategy for urban runoff CEQA Scoping (3/17)</i> Work team report (8/17)</p>	<p style="text-align: center;">Oct</p>

<ul style="list-style-type: none"> • State Water Board workshop/public comment period begins • State Water Board Decision <p><u>Central Valley Water Board Pyrethroids Basin Plan Amendment and TMDL – US EPA Region 9 approved in 4/19</u></p> <ul style="list-style-type: none"> • Stakeholder meeting to discuss implementation 	<p>September December?</p> <p>May 31</p>
<p>Scientific Meetings</p> <p><u>American Chemical Society (San Diego CA)</u></p> <ul style="list-style-type: none"> • Key pesticides science forum (UP3 participation uncertain) <p><u>SETAC (Toronto Canada)</u></p> <ul style="list-style-type: none"> • Key pesticides science forum (no UP3 attendee) 	<p>Aug 25-29</p> <p>Nov 3-7</p>

Items to watch for:

Federal

- U.S. EPA Pesticide Registration Applications and Registration Reviews (of interest – urban, outdoor broadcast or concentrated use AND 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)
- U.S. EPA “Increasing Consistency and Transparency in Considering Costs and Benefits in the Rulemaking Process” affects how the U.S. EPA uses cost and benefit analysis in setting pollution standards. Rule proposal expected in 5/19.
- U.S. EPA “Strengthening Transparency in Regulatory Science”. Would limits use of data from scientific literature. Final rule expected 1/20.
- Proposed rule to eliminate some OPP Federal Register Notices (was anticipated September 2018 according to U.S. EPA semi-annual regulatory agenda)
- U.S. EPA Update to [Guidelines for Deriving Aquatic Life Water Quality Criteria](#). External peer review of draft scoping document may occur in 2019. 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

- Central Coast Water Board [Imidacloprid Water Quality Criteria](#). Being finalized.
- California Department of Food & Agriculture [Program EIR on invasive species control](#) covering potential broadcast pesticide applications urban areas of multiple UP3 priority pesticides. In litigation (California Court of Appeal).
- New pesticide registrations (of interest – urban, outdoor broadcast or concentrated use AND high aquatic toxicity or that is a priority pollutant) (can occur any time)
- DPR initial registration decisions: proposed new urban pyrethroids (five momfluorothrin products, one alpha-cypermethrin product and one transfluthrin product), fipronil-bifenthrin landscaping product (Taurus Trio G), fipronil termite product (Termidor HP II), fipronil-imidacloprid foam outdoor product (Fuse Foam), a new ant and termite product containing the proposed new pesticide broflanilide (Terinda/Vedira), a novaluron product (TEKKO) that has conflicting label requirements, a fipronil product used outside on yellow jackets (MGK Formula 3115), a bifenthrin (and novaluron and pyriproxyfen) product (DURAFLEX CS) proposed for use on non- residential sites.
- DPR final registration decision: proposed copper-microparticle containing paint additive (Guardiant)

Pesticides Regulatory Action Plan – July 2019

Item/Next Steps	Comments Due
<p>U.S. EPA Pesticide Registration Review (15-year cycle) <i>Registration Review environmental risk assessments:</i> <u>Highest Priority</u></p> <ul style="list-style-type: none"> • Fipronil (<i>toxicity; use pattern; monitoring data</i>) <p><u>Others</u></p> <ul style="list-style-type: none"> • Oxyfluorfen (<i>303[d] listings; toxicity</i>); MCPP (<i>phenoxy herbicide</i>); Dichromic acid (<i>toxicity</i>); Pentachlorophenol (<i>303[d] listings [Pentachlorophenol, Dioxins]; use patterns</i>); Bromacil (<i>toxicity</i>) • Chlorothalonil (<i>303[d] listings; toxicity</i>); Triclopyr (<i>toxicity; use pattern</i>); Creosote (<i>303[d] listings [PAHs]; toxicity, use patterns</i>); • Thiophanate methyl (<i>degradate toxicity; use patterns</i>) 	<p>Early 2020</p> <p>Aug/Sept?</p> <p>Nov/Dec?</p> <p>Jan/Feb 2020?</p>
<p><i>Registration Review proposed decisions:</i> <u>Highest Priority</u></p> <ul style="list-style-type: none"> • Imidacloprid (<i>anticipated 303[d] listings</i>) • Pyrethroids (<i>303[d] listings; TMDLs</i>) <p><u>Others</u></p> <ul style="list-style-type: none"> • Neonics (<i>pyrethroids alternatives</i>): Clothianidin, Dinotefuran, Thiamethoxam; Acetamiprid (<i>toxicity</i>); Zinc metal/salts (<i>303[d] listings; TMDLs</i>); Chlorine Gas (<i>pool/spa use</i>); Halohydantoin (<i>pool/spa use</i>) • 2,4-D (<i>herbicide</i>); PBO (<i>synergist for pyrethroids</i>); Dithiopyr (<i>toxicity</i>); Pyrethrins (<i>related to pyrethroids, but less stable and less toxic</i>); MCPA (<i>phenoxy herbicide</i>); Simazine (<i>303[d] listings</i>); Triclosan (<i>toxicity; member interest</i>) • 2,4-DP (<i>phenoxy herbicide</i>) 	<p>Sept?</p> <p>Nov?</p> <p>Sept?</p> <p>Nov/Dec?</p> <p>Jan/Feb 2020?</p>
<p><i>Registration Review Endangered Species Act Integrated reviews</i></p> <ul style="list-style-type: none"> • Methomyl (<i>toxicity; use pattern</i>) – Risk Assessment • Carbaryl (<i>toxicity; use pattern</i>) – Risk Assessment 	<p>Jan/Feb 2020? Delayed</p>
<p>EPA Framework for Pesticides Risk Assessments Incorporating Endangered Species Act Biological Evaluations</p> <ul style="list-style-type: none"> • Comments due (comment period extended - notice coming soon) 	<p style="background-color: yellow;">Mid-Aug</p>
<p>CA Department of Pesticide Regulations (DPR) proposed carbaryl regulations would restrict use and end sale of consumer products</p> <ul style="list-style-type: none"> • Proposed regulation public comment period • Adoption 	<p style="background-color: yellow;">July</p> <p>Fall 2019</p>
<p>Water Board TMDLs/Pesticide Control Programs State Water Board Policy for Toxicity Assessment and Control <i>Current pesticides are primary cause of aquatic toxicity in California.</i></p> <ul style="list-style-type: none"> • State Water Board Decision <p>State Water Board Urban Pesticides Amendments <i>Strategy to Optimize Resource Management of Storm Water (STORMS)</i> <i>Pesticides management strategy for urban runoff CEQA Scoping (3/17)</i> Work team report (8/17)</p> <ul style="list-style-type: none"> • State Water Board workshop/public comment period begins • State Water Board Decision 	<p>Oct</p> <p>Fall Dec?</p>

<p>Central Valley Water Board Pyrethroids Basin Plan Amendment and TMDL – US EPA Region 9 approved in 4/19</p> <ul style="list-style-type: none"> Agencies must start monitoring by: 	Feb 2020
<p>Scientific Meetings</p> <p><u>American Chemical Society (San Diego CA)</u></p> <ul style="list-style-type: none"> Key pesticides science forum (UP3 participation uncertain) <p><u>SETAC (Toronto Canada)</u></p> <ul style="list-style-type: none"> Key pesticides science forum (no UP3 attendee) 	<p>Aug 25-29</p> <p>Nov 3-7</p>

Items to watch for:

Federal

- U.S. EPA Pesticide Registration Applications and Registration Reviews (of interest – urban, outdoor broadcast or concentrated use AND 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)
- U.S. EPA “Increasing Consistency and Transparency in Considering Costs and Benefits in the Rulemaking Process” affects how the U.S. EPA uses cost and benefit analysis in setting pollution standards. Rule proposal was expected in 5/19.
- U.S. EPA “Strengthening Transparency in Regulatory Science”. Would limits use of data from scientific literature. Final rule expected 1/20.
- Proposed rule to eliminate some OPP Federal Register Notices (was anticipated September 2018 according to U.S. EPA semi-annual regulatory agenda)
- U.S. EPA Update to [Guidelines for Deriving Aquatic Life Water Quality Criteria](#). External peer review of draft scoping document may occur in 2019. 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

- Central Coast Water Board [Imidacloprid Water Quality Criteria](#). Being finalized.
- California Department of Food & Agriculture [Program EIR on invasive species control](#) covering potential broadcast pesticide applications urban areas of multiple UP3 priority pesticides. In litigation (California Court of Appeal).
- New pesticide registrations (of interest – urban, outdoor broadcast or concentrated use AND high aquatic toxicity or that is a priority pollutant) (can occur any time)
- DPR initial registration decisions: proposed new urban pyrethroids (five momfluorothrin products, one alpha-cypermethrin product and one transfluthrin product), fipronil-bifenthrin landscaping product (Taurus Trio G), fipronil termite product (Termidor HP II), fipronil-imidacloprid foam outdoor product (Fuse Foam), a new ant and termite product containing the proposed new pesticide broflanilide (Terinda/Vedira), a novaluron product (TEKKO) that has conflicting label requirements, a fipronil product used outside on yellow jackets (MGK Formula 3115), a bifenthrin (and novaluron and pyriproxyfen) product (DURAFLEX CS) proposed for use on non- residential sites.
- DPR final registration decision: proposed copper-microparticle containing paint additive (Guardiant)

Pesticides Regulatory Action Plan – August 2019

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"> Fipronil (<i>toxicity; use pattern; monitoring data</i>) <p><u>Others</u></p> <ul style="list-style-type: none"> Oxyfluorfen (<i>303[d] listings; toxicity</i>); MCPP (<i>phenoxy herbicide</i>); Dichromic acid (<i>toxicity</i>); Pentachlorophenol (<i>303[d] listings [Pentachlorophenol, Dioxins]; use patterns</i>); Bromacil (<i>toxicity</i>) Chlorothalonil (<i>303[d] listings; toxicity</i>); Triclopyr (<i>toxicity; use pattern</i>); Creosote (<i>303[d] listings [PAHs]; toxicity, use patterns</i>); Thiophanate methyl (<i>degradate toxicity; use patterns</i>) 	<p>Early 2020</p> <p>Sept/Oct?</p> <p>Nov/Dec?</p> <p>Jan/Feb 2020?</p>
<p><i>Registration Review proposed decisions:</i></p> <p><u>Highest Priority</u></p> <ul style="list-style-type: none"> Imidacloprid (<i>anticipated 303[d] listings</i>) Pyrethroids (<i>303[d] listings; TMDLs</i>) <p><u>Others</u></p> <ul style="list-style-type: none"> Neonics (<i>pyrethroids alternatives</i>): Clothianidin, Dinotefuran, Thiamethoxam; Acetamiprid (<i>toxicity</i>); Zinc metal/salts (<i>303[d] listings; TMDLs</i>); Chlorine Gas (<i>pool/spa use</i>); Halohydantoin (<i>pool/spa use</i>) 2,4-D (<i>herbicide</i>); PBO (<i>synergist for pyrethroids</i>); Dithiopyr (<i>toxicity</i>); Pyrethrins (<i>related to pyrethroids, but less stable and less toxic</i>); MCPA (<i>phenoxy herbicide</i>); Simazine (<i>303[d] listings</i>); Triclosan (<i>toxicity; member interest</i>) 2,4-DP (<i>phenoxy herbicide</i>) 	<p>Sept/Oct? Nov?</p> <p>Sept/Oct?</p> <p>Nov/Dec?</p> <p>Jan/Feb 2020?</p>
<p><i>Registration Review Endangered Species Act Integrated reviews</i></p> <ul style="list-style-type: none"> Methomyl (<i>toxicity; use pattern</i>) – Risk Assessment Carbaryl (<i>toxicity; use pattern</i>) – Risk Assessment 	<p>Jan/Feb 2020? Delayed</p>
<p>EPA Framework for Pesticides Risk Assessments Incorporating Endangered Species Act Biological Evaluations</p> <ul style="list-style-type: none"> Comments due 	<p>Aug 15</p>
<p>CA Department of Pesticide Regulations (DPR) proposed carbaryl regulations would restrict use and end sale of consumer products</p> <ul style="list-style-type: none"> Proposed regulation public comment due: Adoption 	<p>Sept 10 Fall 2019</p>
<p>Water Board TMDLs/Pesticide Control Programs</p> <p>State Water Board Policy for Toxicity Assessment and Control</p> <p><i>Current pesticides are primary cause of aquatic toxicity in California.</i></p> <ul style="list-style-type: none"> State Water Board Decision <p>State Water Board Urban Pesticides Amendments</p> <p><i>Strategy to Optimize Resource Management of Storm Water (STORMS)</i></p> <p><i>Pesticides management strategy for urban runoff CEQA Scoping (3/17)</i></p> <p>Work team report (8/17)</p> <ul style="list-style-type: none"> State Water Board workshop/public comment period begins State Water Board Decision 	<p>Dec</p> <p>??</p> <p>??</p>

Central Valley Water Board Pyrethroids Basin Plan Amendment and TMDL – US EPA Region 9 approved in 4/19 <ul style="list-style-type: none"> Agencies must start monitoring by: 	Feb 2020
Scientific Meetings SETAC (Toronto Canada) <ul style="list-style-type: none"> Key pesticides science forum (no UP3 attendee) 	Nov 3-7

Items to watch for:

Federal

- U.S. EPA Pesticide Registration Applications and Registration Reviews (of interest – urban, outdoor broadcast or concentrated use AND 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)
- ESA consultations for Clothianidin and Thiamethoxam. Must be completed by 2022 per *Ellis v. Keigwin* lawsuit settlement.
- U.S. EPA “Increasing Consistency and Transparency in Considering Costs and Benefits in the Rulemaking Process” affects how the U.S. EPA uses cost and benefit analysis in setting pollution standards. Rule proposal was expected in 5/19.
- U.S. EPA “Strengthening Transparency in Regulatory Science”. Would limits use of data from scientific literature. Final rule expected 1/20.
- Proposed rule to eliminate some OPP Federal Register Notices (was anticipated September 2018 according to U.S. EPA semi-annual regulatory agenda)
- U.S. EPA Update to [Guidelines for Deriving Aquatic Life Water Quality Criteria](#). External peer review of draft scoping document may occur in 2019. 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

- California Department of Food & Agriculture [Program EIR on invasive species control](#) covering potential broadcast pesticide applications urban areas of multiple UP3 priority pesticides. In litigation (California Court of Appeal).
- New pesticide registrations (of interest – urban, outdoor broadcast or concentrated use AND high aquatic toxicity or that is a priority pollutant) (can occur any time)
- DPR initial registration decisions: proposed new urban pyrethroids (five momfluorothrin products, one alpha-cypermethrin product and one transfluthrin product), fipronil-bifenthrin landscaping product (Taurus Trio G), fipronil termite product (Termidor HP II), fipronil-imidacloprid foam outdoor product (Fuse Foam), a new ant and termite product containing the proposed new pesticide broflanilide (Terinda/Vedira), a novaluron product (TEKKO) that has conflicting label requirements, a fipronil product used outside on yellow jackets (MGK Formula 3115), a bifenthrin (and novaluron and pyriproxyfen) product (DURAFLEX CS) proposed for use on non- residential sites.
- DPR final registration decision: proposed copper-microparticle containing paint additive (Guardiant)

Pesticides Regulatory Action Plan – September 2019

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"> Fipronil (<i>toxicity; use pattern; monitoring data</i>) <p><u>Others</u></p> <ul style="list-style-type: none"> Oxyfluorfen (<i>303[d] listings; toxicity</i>); MCPP (<i>phenoxy herbicide</i>); Dichromic acid (<i>toxicity</i>); Pentachlorophenol (<i>303[d] listings [Pentachlorophenol, Dioxins]; use patterns</i>); Chromated Arsenicals (<i>303[d] listings (Chromium, Arsenic)</i>) Triclopyr (<i>toxicity; use pattern</i>); Creosote (<i>303[d] listings [PAHs]; toxicity, use patterns</i>); Sodium Bromide (<i>pool/spa use</i>) Thiophanate methyl (<i>degradate toxicity; use patterns</i>); Oxadiazon (<i>toxicity; persistence in sediment</i>) Chlorothalonil (<i>303[d] listings; toxicity</i>); Novaluron (<i>toxicity</i>) 	<p>Jan/Feb?</p> <p>Nov?</p> <p>Nov/Dec?</p> <p>Jan/Feb?</p> <p>Mar/Apr?</p>
<p><i>Registration Review proposed decisions:</i></p> <p><u>Highest Priority</u></p> <ul style="list-style-type: none"> Pyrethroids: Cyfluthrin, Cyphenothrin, Deltamethrin, Etofenprox, Flumethrin, Imiprothrin, Momfluothrin, Phenothrin (includes Sumethrin), Tau-Fluvalinate, Tefluthrin, Tetramethrin (<i>303[d] listings; TMDLs</i>) Imidacloprid (<i>anticipated 303[d] listings</i>); Pyrethroids: Bifenthrin, Cyhalothrins, Cypermethrins, Esfenvalerate, Prallethrin (<i>303[d] listings; TMDLs</i>) <p><u>Others</u></p> <ul style="list-style-type: none"> Zinc metal/salts (<i>303[d] listings; TMDLs</i>) Chlorine Gas (<i>pool/spa use</i>); 2,4-D (<i>herbicide</i>); MCPA (<i>phenoxy herbicide</i>); Simazine (<i>303[d] listings</i>); Triclosan (<i>toxicity; member interest</i>) Neonics (<i>pyrethroids alternatives</i>): Clothianidin, Dinotefuran, Thiamethoxam, Acetamiprid (<i>toxicity</i>); Bromacil (<i>toxicity</i>); 2,4-DP (<i>phenoxy herbicide</i>) Halohydantoin (<i>pool/spa use</i>); PBO (<i>synergist for pyrethroids</i>); Pyrethrins (<i>related to pyrethroids, but less stable and less toxic</i>); MGK-264 (<i>pyrethroid synergist</i>) 	<p>Nov/Dec?</p> <p>Jan/Feb?</p> <p style="text-align: center;">9/30/19</p> <p>Nov/Dec?</p> <p>Jan/Feb?</p> <p>Mar/Apr?</p>
<p><i>Registration Review Endangered Species Act Integrated reviews</i></p> <ul style="list-style-type: none"> Methomyl (<i>toxicity; use pattern</i>) – Risk Assessment Carbaryl (<i>toxicity; use pattern</i>) – Risk Assessment 	<p>Jan/Feb?</p> <p>Delayed</p>
<p>CA Department of Pesticide Regulations (DPR) proposed carbaryl regulations would restrict use and end sale of consumer products</p> <ul style="list-style-type: none"> Proposed regulation public comment due: Adoption 	<p style="text-align: center;">Sept 10</p> <p>Fall 2019</p>
<p>Water Board TMDLs/Pesticide Control Programs</p> <p>State Water Board Policy for Toxicity Assessment and Control</p> <p><i>Current pesticides are primary cause of aquatic toxicity in California.</i></p> <ul style="list-style-type: none"> State Water Board Decision <p>State Water Board Urban Pesticides Amendments</p>	<p>Dec</p>

<p><i>Strategy to Optimize Resource Management of Storm Water (STORMS)</i> Pesticides management strategy for urban runoff CEQA Scoping (3/17) Work team report (8/17)</p> <ul style="list-style-type: none"> • State Water Board workshop/public comment period begins • State Water Board Decision <p>Central Valley Water Board Pyrethroids Basin Plan Amendment and TMDL – US EPA Region 9 approved in 4/19</p> <ul style="list-style-type: none"> • Agencies must start monitoring by: 	<p>?? ??</p> <p>Feb 2020</p>
<p>Scientific Meetings SETAC (Toronto Canada)</p> <ul style="list-style-type: none"> • Key pesticides science forum (no UP3 attendee) 	<p>Nov 3-7</p>

Items to watch for:

Federal

- U.S. EPA Pesticide Registration Applications and Registration Reviews (of interest – urban, outdoor broadcast or concentrated use AND 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)
- ESA consultations for Clothianidin and Thiamethoxam. Must be completed by 2022 per *Ellis v. Keigwin* lawsuit settlement.
- U.S. EPA “Increasing Consistency and Transparency in Considering Costs and Benefits in the Rulemaking Process” affects how the U.S. EPA uses cost and benefit analysis in setting pollution standards. Rule proposal was expected in 5/19.
- U.S. EPA “Strengthening Transparency in Regulatory Science”. Would limits use of data from scientific literature. Final rule expected 1/20.
- Proposed rule to eliminate some OPP Federal Register Notices (was anticipated September 2018 according to U.S. EPA semi-annual regulatory agenda)
- U.S. EPA Update to [Guidelines for Deriving Aquatic Life Water Quality Criteria](#). External peer review of draft scoping document may occur in 2019. 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)
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California

- California Department of Food & Agriculture [Program EIR on invasive species control](#) covering potential broadcast pesticide applications urban areas of multiple UP3 priority pesticides. In litigation (California Court of Appeal).
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- DPR initial registration decisions: proposed new urban pyrethroids (five momfluorothrin products, one alpha-cypermethrin product and one transfluthrin product), fipronil-bifenthrin landscaping product (Taurus Trio G), fipronil termite product (Termidor HP II), fipronil-imidacloprid foam outdoor product (Fuse Foam), a new ant and termite product containing the proposed new pesticide broflanilide (Terinda/Vedira), a novaluron product (TEKKO) that has conflicting label requirements, a fipronil product used outside on yellow jackets (MGK Formula 3115), a bifenthrin (and novaluron and pyriproxyfen) product (DURAFLEX CS) proposed for use on non- residential sites.
- DPR final registration decision: proposed copper-microparticle containing paint additive (Guardiant)

Pesticides Regulatory Action Plan – October 2019

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"> Fipronil (<i>toxicity; use pattern; monitoring data</i>) <p><u>Others</u></p> <ul style="list-style-type: none"> Oxyfluorfen (<i>303[d] listings; toxicity</i>); MCPP (<i>phenoxy herbicide</i>); Dichromic acid (<i>toxicity</i>); Pentachlorophenol (<i>303[d] listings [Pentachlorophenol, Dioxins]; use patterns</i>); Chromated Arsenicals (<i>303[d] listings (Chromium, Arsenic)</i>) Triclopyr (<i>toxicity; use pattern</i>); Creosote (<i>303[d] listings [PAHs]; toxicity, use patterns</i>); Sodium Bromide (<i>pool/spa use</i>) Thiophanate methyl (<i>degradate toxicity; use patterns</i>); Oxadiazon (<i>toxicity; persistence in sediment</i>) Chlorothalonil (<i>303[d] listings; toxicity</i>); Novaluron (<i>toxicity</i>) 	<p>Jan/Feb?</p> <p>Dec/Jan?</p> <p>Dec/Jan?</p> <p>Jan/Feb?</p> <p>Mar/Apr?</p>
<p><i>Registration Review proposed decisions:</i></p> <p><u>Highest Priority</u></p> <ul style="list-style-type: none"> Pyrethroids: Cyfluthrin, Cyphenothrin, Deltamethrin, Etofenprox, Flumethrin, Imiprothrin, Momfluothrin, Phenothrin (includes Sumethrin), Tau-Fluvalinate, Tefluthrin, Tetramethrin (<i>303[d] listings; TMDLs</i>) Imidacloprid (<i>anticipated 303[d] listings</i>); Pyrethroids: Bifenthrin, Cyhalothrins, Cypermethrins, Esfenvalerate, Prallethrin (<i>303[d] listings; TMDLs</i>) <p><u>Others</u></p> <ul style="list-style-type: none"> Chlorine Gas (<i>pool/spa use</i>); 2,4-D (<i>herbicide</i>); MCPA (<i>phenoxy herbicide</i>); Simazine (<i>303[d] listings</i>); Triclosan (<i>toxicity; member interest</i>) Neonics (<i>pyrethroids alternatives</i>): Clothianidin, Dinotefuran, Thiamethoxam, Acetamiprid (<i>toxicity</i>); Bromacil (<i>toxicity</i>); 2,4-DP (<i>phenoxy herbicide</i>) Halohydantoin (<i>pool/spa use</i>); PBO (<i>synergist for pyrethroids</i>); Pyrethrins (<i>related to pyrethroids, but less stable and less toxic</i>); MGK-264 (<i>pyrethroid synergist</i>) 	<p>Dec/Jan?</p> <p>Jan/Feb?</p> <p>Dec/Jan?</p> <p>Jan/Feb?</p> <p>Mar/Apr?</p>
<p><i>Registration Review Endangered Species Act Integrated reviews</i></p> <ul style="list-style-type: none"> Methomyl (<i>toxicity; use pattern</i>) – Risk Assessment Carbaryl (<i>toxicity; use pattern</i>) – Risk Assessment 	<p>Jan/Feb?</p> <p>Delayed</p>
<p>Water Board TMDLs/Pesticide Control Programs</p> <p>State Water Board Policy for Toxicity Assessment and Control</p> <p><i>Current pesticides are primary cause of aquatic toxicity in California.</i></p> <ul style="list-style-type: none"> State Water Board Hearing & Decision <p>State Water Board Urban Pesticides Amendments</p> <p><i>Strategy to Optimize Resource Management of Storm Water (STORMS)</i></p> <p><i>Pesticides management strategy for urban runoff CEQA Scoping (3/17)</i></p> <p>Work team report (8/17)</p> <ul style="list-style-type: none"> State Water Board workshop/public comment period begins State Water Board Decision 	<p>Dec</p> <p>??</p> <p>??</p>

Central Valley Water Board Pyrethroids Basin Plan Amendment and TMDL – US EPA Region 9 approved in 4/19 <ul style="list-style-type: none"> Agencies must start monitoring by: 	Feb 2020
Scientific Meetings <u>SETAC (Toronto Canada)</u> <ul style="list-style-type: none"> Key pesticides science forum (no UP3 attendee) 	Nov 3-7

Items to watch for:

Federal

- U.S. EPA Pesticide Registration Applications and Registration Reviews (of interest – urban, outdoor broadcast or concentrated use AND 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)
- ESA consultations for Clothianidin and Thiamethoxam. Must be completed by 2022 per *Ellis v. Keigwin* lawsuit settlement.
- U.S. EPA “Increasing Consistency and Transparency in Considering Costs and Benefits in the Rulemaking Process” affects how the U.S. EPA uses cost and benefit analysis in setting pollution standards. Rule proposal was expected in 5/19.
- U.S. EPA “Strengthening Transparency in Regulatory Science”. Would limit use of data from scientific literature. Final rule expected 1/20.
- Proposed rule to eliminate some OPP Federal Register Notices (was anticipated September 2018 according to U.S. EPA semi-annual regulatory agenda)
- U.S. EPA Update to [Guidelines for Deriving Aquatic Life Water Quality Criteria](#). External peer review of draft scoping document may occur in 2019. 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

- CA Department of Pesticide Regulations (DPR) [proposed carbaryl regulations](#) that would restrict use and end sale of consumer products (adoption expected fall 2019)
- California Department of Food & Agriculture [Program EIR on invasive species control](#) covering potential broadcast pesticide applications urban areas of multiple UP3 priority pesticides. In litigation (California Court of Appeal).
- New pesticide registrations (of interest – urban, outdoor broadcast or concentrated use AND high aquatic toxicity or that is a priority pollutant) (can occur any time)
- DPR registration applications – track new urban products containing priority pesticides: Cyclaniliprole- outdoor residential uses proposed (no application yet)
- DPR initial registration decisions: proposed new urban pyrethroids (five momfluorothrin products, one alpha-cypermethrin product and one transfluthrin product), fipronil-bifenthrin landscaping product (Taurus Trio G), fipronil termite product (Termidor HP II), fipronil-imidacloprid foam outdoor product (Fuse Foam), a new ant and termite product containing the proposed new pesticide broflanilide (Terinda/Vedira), a novaluron product (TEKKO) that has conflicting label requirements, a fipronil product used outside on yellow jackets (MGK Formula 3115), a bifenthrin (and novaluron and pyriproxyfen) product (DURAFLEX CS) proposed for use on non-residential sites.
- DPR final registration decision: proposed copper-microparticle containing paint additive (Guardiant)

Pesticides Regulatory Action Plan – November 2019

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"> Fipronil (<i>toxicity; use pattern; monitoring data</i>) <p><u>Others</u></p> <ul style="list-style-type: none"> Oxyfluorfen (<i>303[d] listings; toxicity</i>); MCPP (<i>phenoxy herbicide</i>); Dichromic acid (<i>toxicity</i>); Pentachlorophenol (<i>303[d] listings [Pentachlorophenol, Dioxins]; use patterns</i>); Chromated Arsenicals (<i>303[d] listings (Chromium, Arsenic)</i>) Triclopyr (<i>toxicity; use pattern</i>); Creosote (<i>303[d] listings [PAHs]; toxicity, use patterns</i>); Sodium Bromide (<i>pool/spa use</i>) Thiophanate methyl (<i>degradate toxicity; use patterns</i>); Oxadiazon (<i>toxicity; persistence in sediment</i>) Chlorothalonil (<i>303[d] listings; toxicity</i>); Novaluron (<i>toxicity</i>) 	<p>Jan/Feb?</p> <p>Jan/Feb?</p> <p>Jan/Feb?</p> <p>Jan/Feb?</p> <p>Mar/Apr?</p>
<p><i>Registration Review proposed decisions:</i></p> <p><u>Highest Priority</u></p> <ul style="list-style-type: none"> Pyrethroids: Cyphenothrin, Flumethrin, Imiprothrin, Momfluothrin, Tetramethrin (<i>303[d] listings; TMDLs</i>) Imidacloprid (<i>anticipated 303[d] listings</i>); Pyrethroids: Bifenthrin, Cyfluthrin, Cyhalothrins, Cypermethrins, Deltamethrin, Esfenvalerate, Etofenprox, Prallethrin, Phenothrin (includes Sumethrin), Tau-Fluvalinate, Tefluthrin (<i>303[d] listings; TMDLs</i>) <p><u>Others</u></p> <ul style="list-style-type: none"> Chlorine Gas (<i>pool/spa use</i>); 2,4-D (<i>herbicide</i>); MCPA (<i>phenoxy herbicide</i>); Simazine (<i>303[d] listings</i>); Triclosan (<i>toxicity; member interest</i>) Neonics (<i>pyrethroids alternatives</i>): Clothianidin, Dinotefuran, Thiamethoxam, Acetamiprid (<i>toxicity</i>); Bromacil (<i>toxicity</i>); 2,4-DP (<i>phenoxy herbicide</i>) Halohydantoin (<i>pool/spa use</i>); PBO (<i>synergist for pyrethroids</i>); Pyrethrins (<i>related to pyrethroids, but less stable and less toxic</i>); MGK-264 (<i>pyrethroid synergist</i>) 	<p>Jan/Feb?</p> <p>Jan/Feb?</p> <p>Jan/Feb?</p> <p>Jan/Feb?</p> <p>Mar/Apr?</p>
<p><i>Registration Review Endangered Species Act Integrated reviews</i></p> <ul style="list-style-type: none"> Methomyl (<i>toxicity; use pattern</i>) – Risk Assessment Carbaryl (<i>toxicity; use pattern</i>) – Risk Assessment 	<p>Jan/Feb?</p> <p>Delayed</p>
<p>Water Board TMDLs/Pesticide Control Programs</p> <p>State Water Board Policy for Toxicity Assessment and Control</p> <p><i>Current pesticides are primary cause of aquatic toxicity in California.</i></p> <ul style="list-style-type: none"> State Water Board Hearing & Decision <p>State Water Board Urban Pesticides Amendments</p> <p><i>Strategy to Optimize Resource Management of Storm Water (STORMS)</i></p> <p><i>Pesticides management strategy for urban runoff CEQA Scoping (3/17)</i></p> <p>Work team report (8/17)</p> <ul style="list-style-type: none"> State Water Board workshop/public comment period begins State Water Board Decision 	<p>Dec</p> <p>??</p> <p>??</p>

Central Valley Water Board Pyrethroids Basin Plan Amendment and TMDL – US EPA Region 9 approved in 4/19 <ul style="list-style-type: none"> Agencies must start monitoring by: 	Feb 2020
Scientific Meetings SETAC (Toronto Canada) <ul style="list-style-type: none"> Key pesticides science forum (no UP3 attendee) 	Nov 3-7

Items to watch for:

Federal

- U.S. EPA Pesticide Registration Applications and Registration Reviews (of interest – urban, outdoor broadcast or concentrated use AND 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)
- ESA consultations for Clothianidin and Thiamethoxam. Must be completed by 2022 per *Ellis v. Keigwin* lawsuit settlement.
- U.S. EPA “Increasing Consistency and Transparency in Considering Costs and Benefits in the Rulemaking Process” affects how the U.S. EPA uses cost and benefit analysis in setting pollution standards. Rule proposal was expected in 5/19.
- U.S. EPA “Strengthening Transparency in Regulatory Science”. Would limit use of data from scientific literature. Final rule expected 1/20.
- Proposed rule to eliminate some OPP Federal Register Notices (was anticipated September 2018 according to U.S. EPA semi-annual regulatory agenda)
- U.S. EPA Update to [Guidelines for Deriving Aquatic Life Water Quality Criteria](#). External peer review of draft scoping document may occur in 2019. 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

- CA Department of Pesticide Regulations (DPR) [proposed carbaryl regulations](#) that would restrict use and end sale of consumer products (adoption expected fall 2019)
- California Department of Food & Agriculture [Program EIR on invasive species control](#) covering potential broadcast pesticide applications urban areas of multiple UP3 priority pesticides. In litigation (California Court of Appeal).
- New pesticide registrations (of interest – urban, outdoor broadcast or concentrated use AND high aquatic toxicity or that is a priority pollutant) (can occur any time)
- DPR registration applications – track new urban products containing priority pesticides: Cyclaniliprole- outdoor residential uses proposed (no application yet)
- DPR initial registration decisions: proposed new urban pyrethroids (five momfluorothrin products, one alpha-cypermethrin product and one transfluthrin product), fipronil-bifenthrin landscaping product (Taurus Trio G), fipronil termite product (Termidor HP II), fipronil-imidacloprid foam outdoor product (Fuse Foam), a new ant and termite product containing the proposed new pesticide broflanilide (Terinda/Vedira), a novaluron product (TEKKO) that has conflicting label requirements, a fipronil product used outside on yellow jackets (MGK Formula 3115), a bifenthrin (and novaluron and pyriproxyfen) product (DURAFLEX CS) proposed for use on non- residential sites.
- DPR final registration decision: proposed copper-microparticle containing paint additive (Guardiant)

Pesticides Regulatory Action Plan – December 2019

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"> Fipronil (<i>toxicity; use pattern; monitoring data</i>) <p><u>Others</u></p> <ul style="list-style-type: none"> Sodium Bromide/Inorganic Halides (<i>pool/spa use</i>); Terbutylazine (<i>fountain use</i>) Oxyfluorfen (<i>303[d] listings; toxicity</i>); MCPP (<i>phenoxy herbicide</i>); Dichromic acid (<i>toxicity</i>); Pentachlorophenol (<i>303[d] listings [Pentachlorophenol, Dioxins]; use patterns</i>); Chromated Arsenicals (<i>303[d] listings (Chromium, Arsenic)</i>) Thiophanate methyl (<i>degradate toxicity; use patterns</i>); Oxadiazon (<i>toxicity; persistence in sediment</i>); Creosote (<i>303[d] listings [PAHs]; toxicity, use patterns</i>); Chlorothalonil (<i>303[d] listings; toxicity</i>); Novaluron (<i>toxicity</i>) 	<p>Feb/Mar?</p> <p style="background-color: yellow;">Jan 17</p> <p>Feb/Mar?</p> <p>Feb/Mar?</p> <p>Mar/Apr?</p>
<p><i>Registration Review proposed decisions:</i></p> <p><u>Highest Priority</u></p> <ul style="list-style-type: none"> Pyrethroids: Comment Period Extension requests for all open pyrethroid public comment periods Pyrethroids: Ecological Risk Mitigation for 23 pyrethroids Pyrethroids: Proposed Interim Registration Review Decisions for Cyphenothrin, Flumethrin, Imiprothrin, Momfluothrin, Tetramethrin (<i>303[d] listings; TMDLs</i>) Pyrethroids: Proposed Interim Registration Review Decisions for: Bifenthrin, Cyfluthrin, Cyhalothrins, Cypermethrins, Deltamethrin, Esfenvalerate, Etofenprox, Prallethrin, Phenothrin (includes Sumethrin), Tau-Fluvalinate, Tefluthrin (<i>303[d] listings; TMDLs</i>) Imidacloprid (<i>anticipated 303[d] listings</i>) <p><u>Others</u></p> <ul style="list-style-type: none"> Chlorine Gas (<i>pool/spa use</i>); 2,4-D (<i>herbicide</i>); MCPA (<i>phenoxy herbicide</i>); Simazine (<i>303[d] listings</i>) Neonics (<i>pyrethroids alternatives</i>): Clothianidin, Dinotefuran, Thiamethoxam, Acetamiprid (<i>toxicity</i>); Bromacil (<i>toxicity</i>); 2,4-DP (<i>phenoxy herbicide</i>) Halohydantoin (<i>pool/spa use</i>); PBO (<i>synergist for pyrethroids</i>); Pyrethrins (<i>related to pyrethroids, but less stable and less toxic</i>); MGK-264 (<i>pyrethroid synergist</i>) 	<p style="background-color: yellow;">ASAP</p> <p style="background-color: yellow;">Jan 13</p> <p style="background-color: yellow;">Jan 13</p> <p>Feb/Mar?</p> <p>Feb/Mar?</p> <p>Feb/Mar?</p> <p>Mar/Apr?</p>
<p><i>Registration Review Endangered Species Act Integrated reviews</i></p> <ul style="list-style-type: none"> Methomyl (<i>toxicity; use pattern</i>) – Risk Assessment Carbaryl (<i>toxicity; use pattern</i>) – Risk Assessment 	<p>Jan/Feb?</p> <p>Delayed</p>
<p>Water Board TMDLs/Pesticide Control Programs</p> <p>State Water Board Policy for Toxicity Assessment and Control</p> <p><i>Current pesticides are primary cause of aquatic toxicity in California.</i></p> <ul style="list-style-type: none"> State Water Board Hearing & Decision 	<p>Winter 2020</p>

<p>State Water Board Urban Pesticides Amendments <i>Strategy to Optimize Resource Management of Storm Water (STORMS)</i> Pesticides management strategy for urban runoff CEQA Scoping (3/17) Work team report (8/17)</p> <ul style="list-style-type: none"> • State Water Board workshop/public comment period begins • State Water Board Decision <p>Central Valley Water Board Pyrethroids Basin Plan Amendment and TMDL – US EPA Region 9 approved in 4/19</p> <ul style="list-style-type: none"> • Agencies must start monitoring by: 	<p>2020 2021</p> <p>Feb 2020</p>
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