

Pesticides Regulatory Action Plan – January 2020

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>) • Dichromic acid (<i>toxicity</i>); Pentachlorophenol (<i>303[d] listings [Pentachlorophenol, Dioxins]; use patterns</i>); Chromated Arsenicals (<i>303[d] listings (Chromium, Arsenic)</i>); Creosote (<i>303[d] listings [PAHs]; toxicity, use patterns</i>); DCOIT (<i>pool use</i>); Dichlorvos (<i>organophosphate insecticide</i>) • Thiophanate methyl (<i>degradate toxicity; use patterns</i>); Oxadiazon (<i>toxicity; persistence in sediment</i>); Novaluron (<i>toxicity</i>); Chlorantraniliprole (<i>toxicity</i>); Peroxyacetic Acid (<i>fountain use</i>); Sodium Percarbonate (<i>pool use</i>) 	<p>Mar/Apr?</p> <p>Jan 17</p> <p>Mar/Apr?</p> <p>May/June?</p>
<p><i>Registration Review proposed decisions:</i></p> <p><u>Highest Priority</u></p> <ul style="list-style-type: none"> • Pyrethroids: Ecological Risk Mitigation for 23 pyrethroids 30-day extension anticipated; awaiting Federal Register Notice • Pyrethroids: Proposed Interim Registration Review Decisions: <ul style="list-style-type: none"> ○ Cyphenothrin, Flumethrin, Imiprothrin, Momfluothrin, Tetramethrin (<i>303[d] listings; TMDLs</i>) ○ Prallethrin, Tefluthrin (<i>303[d] listings; TMDLs</i>) ○ Deltamethrin, Esfenvalerate, Permethrin, Phenothrin (includes Sumethrin), Tau-Fluvalinate ○ Bifenthrin, Cyhalothrins, Cypermethrins ○ Allethrin, Cyfluthrin, Etofenprox, Metofluthrin • 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>); MCPA (<i>phenoxy herbicide</i>); Simazine (<i>303[d] listings</i>) • Neonics (<i>pyrethroids alternatives</i>): Clothianidin, Dinotefuran, Thiamethoxam; Bromacil (<i>toxicity</i>); 2,4-DP (<i>phenoxy herbicide</i>) • Acetamiprid (<i>Neonic-toxicity</i>); Halohydantoin (<i>pool/spa use</i>); Dithiopyr (<i>toxicity</i>) 	<p>Approx. Feb 12</p> <p>Jan 13</p> <p>Mar/Apr?</p> <p>May/Jun?</p> <p>Jul/Aug?</p> <p>unknown</p> <p>Mar/Apr?</p> <p>Mar/Apr?</p> <p>May/June?</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>Mar/Apr?</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>Strategy to Optimize Resource Management of Storm Water (STORMS)</p> <p>Pesticides management strategy for urban runoff CEQA Scoping (3/17)</p> <p>Work team report (8/17)</p>	<p>Spring 2020</p>

<ul style="list-style-type: none"> • State Water Board workshop/public comment period begins • State Water Board Decision 	Fall 2020 2021
<p>Central Valley Water Board Pyrethroids Basin Plan Amendment and TMDL – US EPA Region 9 approved in 4/19. Agencies must start monitoring by:</p>	Feb 2020

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](#). Draft scoping document external peer review is next step. 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)

California

- CA Department of Pesticide Regulations (DPR) [proposed carbaryl regulations](#) that would restrict use and end sale of consumer products (adoption was 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, a new aerated indoxacarb powder (Doxem Precise).
- DPR final reg. decision: proposed copper-microparticle paint additive (Guardiant)

Pesticides Regulatory Action Plan – February 2020

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<p><i>Registration Review proposed decisions:</i></p> <p><u>Highest Priority</u></p> <ul style="list-style-type: none"> Pyrethroids: Ecological Risk Mitigation for 23 pyrethroids Pyrethroids: Proposed Interim Registration Review Decisions: <ul style="list-style-type: none"> Prallethrin, Tefluthrin (<i>303[d] listings; TMDLs</i>) Deltamethrin, Esfenvalerate, Permethrin, Phenothrin (includes Sumethrin), Tau-Fluvalinate Bifenthrin, Cyhalothrins, Cypermethrins Allethrin, Cyfluthrin, Etofenprox, Metofluthrin 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>); MCPA (<i>phenoxy herbicide</i>) Neonics (<i>pyrethroids alternatives</i>): Clothianidin, Dinotefuran, Thiamethoxam; Bromacil (<i>toxicity</i>); 2,4-DP (<i>phenoxy herbicide</i>) Acetamiprid (<i>Neonic-toxicity</i>); Halohydantoin (<i>pool/spa use</i>); Dithiopyr (<i>toxicity</i>) 	<p style="text-align: center;">Feb 12</p> <p>Apr/May? May/June?</p> <p>Jul/Aug? Unknown Apr/May?</p> <p>Apr/May? Apr/May?</p> <p>May/June?</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>Apr/May? Delayed</p>
<p>Methodologies to Estimate Pesticide Concentrations in Surface Waters</p> <p>Comments on revised methodologies (see very bottom of web page), which continue use of problematic approaches for urban runoff and omit POTWs</p>	<p style="text-align: center;">Feb 29</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>Summer</p> <p>Fall 2021</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 limit use of data from scientific literature. Proposed revised draft rule expected soon.
- 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](#). Draft scoping document external peer review is next step. 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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- CA Department of Pesticide Regulations (DPR) [proposed carbaryl regulations](#) that would restrict use and end sale of consumer products (adoption was 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).
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Pesticides Regulatory Action Plan – March 2020

Item/Next Steps	Comments Due
<p>U.S. EPA Pesticide Registration Review (15-year cycle)</p> <p><i>Registration Review Workplans:</i></p> <ul style="list-style-type: none"> • Methoprene (<i>toxicity; storm drain and fountain uses</i>) 	April 6
<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"> • Pentachlorophenol (<i>303[d] listings [Pentachlorophenol, Dioxins]</i>); Dichromic acid (<i>toxicity</i>); Chromated Arsenicals (<i>303[d] listings (Chromium, Arsenic)</i>); Creosote (<i>303[d] listings [PAHs]; toxicity</i>) • DCOIT (<i>pool use</i>); Dichlorvos (<i>organophosphate insecticide</i>) • Thiophanate methyl (<i>degrade toxicity; use patterns</i>); Oxadiazon (<i>toxicity; persistence in sediment</i>); Novaluron (<i>toxicity</i>); Chlorantraniliprole (<i>toxicity</i>); Peroxyacetic Acid (<i>fountain use</i>); Sodium Percarbonate (<i>pool use</i>) 	May/June? Mar 2 May/June? June/July?
<p><i>Registration Review proposed decisions:</i></p> <p><u>Highest Priority</u></p> <ul style="list-style-type: none"> • Pyrethroids: Proposed Interim Registration Review Decisions: <ul style="list-style-type: none"> ○ Deltamethrin, Esfenvalerate, Permethrin, Phenothrin (includes Sumethrin), Tau-Fluvalinate, Prallethrin, ○ Bifenthrin, Cyhalothrins, Cypermethrins ○ Allethrin, Cyfluthrin, Etofenprox, Metofluthrin • 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>); MCPA (<i>phenoxy herbicide</i>) • Neonics (<i>pyrethroids alternatives</i>): Acetamiprid, Clothianidin, Dinotefuran, Thiamethoxam • Bromacil (<i>toxicity</i>); 2,4-DP (<i>phenoxy herbicide</i>); MCPP (Mecoprop) • Halohydantoins (<i>pool/spa use</i>); Dithiopyr (<i>toxicity</i>) 	May/June? Jul/Aug? Unknown Apr 3 May/June? Apr 3 Apr 6 June/July?
<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 	May/June? Delayed
<p>U.S. EPA “Strengthening Transparency in Regulatory Science”</p> <p>Would limits use of data from scientific literature.</p> <ul style="list-style-type: none"> • Proposed revised draft rule 	Mar/April?
<p>Water Board TMDLs/Pesticide Control Programs</p> <p><u>State Water Board Policy for Toxicity Assessment and Control</u></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><u>State Water Board Urban Pesticides Amendments</u></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><u>Work team report</u> (8/17)</p> <ul style="list-style-type: none"> • State Water Board workshop/public comment period begins • State Water Board Decision 	Summer 2021 2021

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.
- 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](#). Draft scoping document external peer review is next step. 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)

California

































- CA Department of Pesticide Regulations (DPR) [proposed carbaryl regulations](#) that would restrict use and end sale of consumer products (adoption expected soon per latest DPR [Rulemaking Calendar](#))
- 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)
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Pesticides Regulatory Action Items – August 2020

UP3 Priority	Pesticide or Topic	Use of Interest	Item	Due Date	Wastewater () / Stormwater ()	Water Quality Issue
	Fipronil	Structural insects (outdoors); pet fleas	RA	extended to 8/5/20	 	Monitoring data; Anticipated 303(d) listings
	Thiophanate methyl/ Carbendazim (MBC)	Paint fungicide	RA	extended to 8/20/20		Degradate toxicity; use pattern
	Novaluron	Indoors (off-pet flea control); Mosquitoes; Structural insects (outdoors); Pools	RA	extended to 8/20/20	 	Toxicity; Pyrethroids alternative; Pool water discharges
	Peroxy Compounds (includes Peroxyoctanoic Acid ; Sodium Percarbonate)	Fountains	RA	extended to 9/4/20	 	Fountain discharges
	Isothiazolinones (DCOIT , BIT , BBIT, MIT, OIT)	Fountains; Cooling water; Wastewater treatment systems; Paint fungicide	RA	extended to 11/10/20	 	Fountain discharges; POTW-related data gaps
	EPA Environmental Modeling Public Meeting	Drinking water modeling improvements	Scientific Meeting	August 5	 	K. Moran to give presentation on anticipated future potable use of effluents/ runoff. Educate pesticide regulator and manufacturer community
	American Chemical Society Conference (virtual)		Scientific Conference	August 17-20	 	Educate/network with pesticide regulator, manufacturer, and research community
	State Water Board Policy for Toxicity Assessment and Control.	Not specifically about pesticides, but pesticides are primary cause of aquatic toxicity in CA.	Public workshop and comment period	Workshop on July 29. Comments due by Aug. 24	 	State Board Water Hearing scheduled for Dec. 2020 with adoption following.
	Society of Environmental Toxicology & Chemistry Conference (Online only)		Scientific Conference	November 15-19	 	Educate/network with pesticide regulator, manufacturer and research community

Key: RA = Risk Assessment; PID = Proposed Interim Decision; BE (ESA) = Biological Evaluation (Endangered Species Act)

Crystal-Ball Schedule (Next 6 months):

Priority	Topic	Estimated Due Date	Wastewater / Stormwater	Item	Water Quality Issue
	Pyrethroids: Cyhalothrins, Cypermethrins	Sept/Oct	 	PID	Multiple 303(d) listings; TMDLs, toxicity, use pattern, monitoring data
	Chlorothalonil	Sept/Oct		RA	Pesticide with dioxin impurity
	Tetrachlorvinphos	Sept/Oct		RA	Pet flea/tick use
	Folpet	Sept/Oct		PID	Fungicide
	Methoprene	Sept/Oct		PID	Use in fountains, storm drains, and on pets
	Dichlorvos (DDVP)	Sept/Oct		RA	Toxicity (degradate); use pattern
	MCPA	Sept/Oct		PID	Phenoxy herbicide
	Dithiopyr	Sept/Oct		PID	Toxicity
	Oxyfluorfen	Sept/Oct		PID	CV WB high relative risk; 303(d) listings (ag. only); DPR monitoring priority
	Triclopyr	Sept/Oct		PID	DPR interest list; commonly used by public agencies for weed abatement
	Busan 77	Sept/Oct	 	RA	Pool chemical
	Sodium Bromide (Inorganic Halides)	Sept/Oct	 	PID	Pool chemical
	DBNPA	Sept/Oct	 	PID	Multi-use antimicrobial; stable, toxic degradate found in CA watersheds
	o-Phenyl phenol (OPP)	Oct/Nov		PID	Toxicity; multi-use antimicrobial

2	Ziram	Oct/Nov		RA	303(d) listings (zinc); TMDLs (zinc)
2	Creosote	Oct/Nov		PID	303(d) listings (PAHs); Contains CWA Priority Pollutants (PAHs)
2	Pentachlorophenol	Oct/Nov		PID	303(d) listings (Pentachlorophenol, Dioxins); Contains CWA Priority Pollutants (Pentachlorophenol, Dioxins);
3	Diuron	Oct/Nov		RA	303(d) listings; DPR interest list; DPR monitoring priority
3	Dichromic Acid	Oct/Nov		PID	303(d) listings; contains CWA Priority Pollutants
3	Chromated Arsenicals	Oct/Nov		PID	303(d) listings; contains CWA Priority Pollutants
4	Propiconazole	Oct/Nov		RA	Fungicide
4	Tebuconazole	Oct/Nov		RA	Fungicide
4	Piperonyl Butoxide (PBO)	Oct/Nov		PID	Synergist of pyrethroids
4	MGK-264	Oct/Nov		PID	Synergist of pyrethroids
4	Pyrethrins	Oct/Nov		PID	Related to pyrethroids, but less stable and less toxic
1	Pyrethroids: Allethrin, Etofenprox, Metofluthrin	Unknown		PID	Multiple 303(d) listings; TMDLs, toxicity, use pattern, monitoring data

Key: RA = Risk Assessment; PID = Proposed Interim Decision; BE (ESA) = Biological Evaluation (Endangered Species Act)

Other Upcoming EPA Items of Interest

- 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.
- 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](#). Draft scoping document external peer review is next step. Seeking OPP engagement.
- U.S. EPA TSCA Reform implementation - see how POTWs are considered





















Upcoming State and Local Items of Interest

- [State Water Board Urban Pesticides Amendments](#). Strategy to Optimize Resource Management of Storm Water (STORMS) Pesticides management strategy for urban runoff CEQA Scoping (3/17). Work team report (8/17). State Water Board workshop/public comment period and decision in 2021.
- [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).

DPR Registration Decisions:




















New Product Applications (Active ingredient – product name)	Why we are tracking	Current Status	Wastewater() Stormwater () concern?
Broflanilide - Terinda/Vedira	New ant and termite product containing a new pesticide	5/24/2018: DPR confirmed that Surface Water would review.	
1R-Phenothrin - by MGK	Outdoor and indoor uses	Noted on EPA docket. Not yet in DPR Notice.	
Momfluorothrin (and Phenothrin) - S-1563	New urban pyrethroid	2014: DPR confirmed that Surface Water would review.	
Momfluorothrin (and Cypermethrin) - MGK Products	New urban pyrethroid	2014: DPR confirmed that Surface Water would review.	
Alpha-cypermethrin - Fendona CS	New urban pyrethroid	6/26/18: DPR confirmed that Surface Water would review.	
Transfluthrin - Bayer Product	New urban pyrethroid. Indoor and outdoor uses.	Noted on EPA docket. Not yet in DPR Notice.	
Fipronil and Bifenthrin - Taurus Trio G	Landscaping product	2017: DPR confirmed that Surface Water would review.	
Fipronil - Termidor HP II	Termite product	4/3/18: DPR confirmed that Surface Water would review.	
Novaluron - TEKKO 0.2G	Conflicting label requirements.	6/19/20: DPR proposed denial	
Fipronil - MGK Formula 3115	Outdoor yellow jacket product.	3/21/19: DPR confirmed that Surface Water would review.	
Bifenthrin, Novaluron, and pyriproxyfen - Duraflex CS	Use on non-residential sites.	5/15/19: DPR confirmed that Surface Water would review.	
Indoxacarb - Doxem Precise	New aerated indoxacarb powder	12/23/19: DPR confirmed that Surface Water would review.	
Acetamidrid pet spot-on	New neonic use	Noted on EPA docket. Not yet in DPR Notice.	
Zinc, Thiabendazole and 2-pyridinethiol-1-oxide – Ultra-Fresh DW-30	Potentially used in vehicle tires.	7/10/20 DPR letter states it will not be allowed in rubber, however DPR missed correcting this error in DPR's Public Report and in both proposed and final decisions.	

Pesticides Regulatory Action Items – October 2020

UP3 Priority	Pesticide or Topic	Use of Interest	Item	Due Date	Wastewater () / Stormwater ()	Water Quality Issue
1	Cypermethrins (pyrethroid)	Indoor and outdoor pest control	PID	11/2	 	Multiple 303(d) listings; TMDLs, toxicity, use pattern, monitoring data
4	Sodium Bromide (Inorganic Halides)	Pools	PID	11/2	 	Pool discharges
4	Triclopyr	Weed abatement	PID	11/2		DPR interest list; commonly used by public agencies in drainage channels
4	Busan 77	Pools	RA	11/2	 	Pool discharges
4	OBPA (10,10'-Oxybisphenoxarsine)	Pool liners, carpets & mattresses	RA	11/2	 	Pool discharges
4	Potassium peroxymonosulfate (listed under hypochlorous acid)	Pools	Combined Work Plan and PID	11/2	 	Pool discharges
4	Naled	Mosquito abatement	RA	11/9		Degrades to DDVP; linked to toxicity
4	Dichlorvos (DDVP)	Mosquito abatement; kennel spray.	RA	11/9		Toxicity (degrade); use pattern
4	Isothiazolinones (DCOIT , BIT , BBIT, MIT, OIT)	Fountains; Cooling water; Wastewater treatment systems; Paint fungicide	RA	extended to 11/10	 	Fountain discharges; POTW-related data gaps
	Society of Environmental Toxicology & Chemistry Conference (Online only)		Scientific Conference	November 15-19	 	K. Moran and M. LaBella to give presentation on anticipated future potable use of effluents. Educate/network with pesticide regulator, manufacturer and research community

Key: RA = Risk Assessment; PID = Proposed Interim Decision; BE (ESA) = Biological Evaluation (Endangered Species Act)

Crystal-Ball Schedule (Next 6 months):

Priority	Topic	Estimated Due Date	Wastewater / Stormwater	Item	Water Quality Issue
1	Pyrethroids: Cyhalothrins	Nov/Dec	 	PID	Multiple 303(d) listings; TMDLs, toxicity, use pattern, monitoring data
2	Chlorothalonil	Nov/Dec		RA	Pesticide with dioxin impurity
3	Tetrachlorvinphos	Nov/Dec		RA	Pet flea/tick use
3	Methoprene	Nov/Dec		PID	Use in fountains, storm drains, and on pets
4	MCPA	Nov/Dec		PID	Phenoxy herbicide
4	Oxyfluorfen	Nov/Dec		PID	CV WB high relative risk; 303(d) listings (ag. only); DPR monitoring priority
4	DBNPA	Nov/Dec	 	PID	Multi-use antimicrobial; stable, toxic degradate found in CA watersheds
4	o-Phenyl phenol (OPP)	Dec/Jan		PID	Toxicity; multi-use antimicrobial
2	Ziram	Dec/Jan	 	RA	303(d) listings (zinc); TMDLs (zinc)
2	Creosote	Dec/Jan		PID	303(d) listings (PAHs); Contains CWA Priority Pollutants (PAHs)
2	Pentachlorophenol	Dec/Jan		PID	303(d) listings (Pentachlorophenol, Dioxins); Contains CWA Priority Pollutants (Pentachlorophenol, Dioxins);
3	Diuron	Dec/Jan		RA	303(d) listings; DPR interest list; DPR monitoring priority
3	Dichromic Acid	Dec/Jan		PID	303(d) listings; contains CWA Priority Pollutants
3	Chromated Arsenicals	Dec/Jan		PID	303(d) listings; contains CWA Priority Pollutants
4	Propiconazole	Dec/Jan		RA	Fungicide
4	Tebuconazole	Dec/Jan		RA	Fungicide

4	Piperonyl Butoxide (PBO)	Dec/Jan		PID	Synergist of pyrethroids
4	MGK-264	Dec/Jan		PID	Synergist of pyrethroids
4	Pyrethrins	Dec/Jan		PID	Related to pyrethroids, but less stable and less toxic
1	Fipronil	Spring 2021		PID	Monitoring data; Anticipated 303(d) listings
1	Pyrethroids: Allethrin, Etofenprox, Metofluthrin	Unknown		PID	Multiple 303(d) listings; TMDLs, toxicity, use pattern, monitoring data

Key: RA = Risk Assessment; PID = Proposed Interim Decision; BE (ESA) = Biological Evaluation (Endangered Species Act)

Other Upcoming EPA Items of Interest

- 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.
- 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](#). Draft scoping document external peer review is next step. Seeking OPP engagement.
- U.S. EPA TSCA Reform implementation - see how POTWs are considered














Upcoming State and Local Items of Interest

- [State Water Board Urban Pesticides Amendments](#). Strategy to Optimize Resource Management of Storm Water (STORMS) Pesticides management strategy for urban runoff CEQA Scoping (3/17). Work team report (8/17). State Water Board workshop/public comment period and decision in 2021.
- [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 Registration Decisions:



















New Product Applications (Active ingredient – product name)	Why we are tracking	Current Status	Wastewater () Stormwater () concern?
1R-Phenothrin - by MGK	Outdoor and indoor uses	Noted on EPA docket. Not yet in DPR Notice.	
Momfluorothrin (and Phenothrin) - S-1563	New urban pyrethroid	2014: DPR confirmed that Surface Water would review.	
Momfluorothrin (and Cypermethrin) - MGK Products	New urban pyrethroid	2014: DPR confirmed that Surface Water would review.	
Alpha-cypermethrin - Fendona CS	New urban pyrethroid	6/26/18: DPR confirmed that Surface Water would review.	
Transfluthrin - Bayer Product	New urban pyrethroid. Indoor and outdoor uses.	Noted on EPA docket. Not yet in DPR Notice.	
Fipronil and Bifenthrin - Taurus Trio G	Landscaping product	2017: DPR confirmed that Surface Water would review.	
Fipronil - Termidor HP II	Termite product	4/3/18: DPR confirmed that Surface Water would review.	
Fipronil - MGK Formula 3115	Outdoor yellow jacket product.	3/21/19: DPR confirmed that Surface Water would review.	
Bifenthrin, Novaluron, and pyriproxyfen - Duraflex CS	Use on non-residential sites.	5/15/19: DPR confirmed that Surface Water would review.	
Indoxacarb - Doxem Precise	New aerated indoxacarb powder	12/23/19: DPR confirmed that Surface Water would review.	
Acetamiprid pet spot-on	New neonic use	Noted on EPA docket. Not yet in DPR Notice.	
Zinc, Thiabendazole and 2-pyridinethiol-1-oxide – Ultra-Fresh DW-30	Potentially used in vehicle tires.	7/29/20 DPR letter states it will not be allowed in rubber, however DPR missed correcting this error in DPR's Public Report and in both proposed and final decisions. DPR is asking the registrant of that product that should not have been approved for use in rubber to change the product label to again say "not for use in California" with regard to the use in rubber.	

Pesticides Regulatory Action Items – December 2020

UP3 Priority	Pesticide or Topic	Use of Interest	Item	Due Date	Wastewater () / Stormwater ()	Water Quality Issue
4	Sodium Bromide (Inorganic Halides)	Pools	PID	12/17	 	Pool discharges
1	Pyrethroids: Cyhalothrins	Insecticide	PID	12/22	 	Multiple 303(d) listings; TMDLs, toxicity, use pattern, monitoring data
3 4	Methoprene	Use in fountains, storm drains, and on pets	PID	12/22	 	Toxicity; pet treatments; fountain discharges
4	Halohydrantoin	Pool & hot tubs	PID	12/22	 	Pool and hot tub discharges
New to lists	Organic esters of phosphoric acid (OEPA)	Paint, textiles, carpet cleaning solutions	RA & PID	12/22	 	EPA did not require registrant to submit any aquatic toxicity data so it is unknown what effects this pesticide is having and will have.
2	Thiophanate methyl and Carbendazim	Fungicide	RA	1/4/2021		Degrade toxicity; use in paint (outdoors)

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Crystal-Ball Schedule (Next 6 months):

Priority	Topic	Estimated Due Date	Wastewater / Stormwater	Item	Water Quality Issue
2	Chlorothalonil	Feb/Mar		RA	Pesticide with dioxin impurity
3	Tetrachlorvinphos	Feb/Mar		RA	Pet flea/tick use
4	Oxyfluorfen	Feb/Mar		PID	CV WB high relative risk; 303(d) listings (ag. only); DPR monitoring priority
4	o-Phenyl phenol (OPP)	Feb/Mar		PID	Toxicity; multi-use antimicrobial
2	Creosote	Feb/Mar		PID	303(d) listings (PAHs); Contains CWA Priority Pollutants (PAHs)
2	Pentachlorophenol	Feb/Mar		PID	303(d) listings (Pentachlorophenol, Dioxins); Contains CWA Priority Pollutants (Pentachlorophenol, Dioxins);
3	Diuron	Feb/Mar		RA	303(d) listings; DPR interest list; DPR monitoring priority
3	Dichromic Acid	Feb/Mar		PID	303(d) listings; contains CWA Priority Pollutants
3	Chromated Arsenicals	Feb/Mar		PID	303(d) listings; contains CWA Priority Pollutants
4	Propiconazole	Feb/Mar		RA	Potential toxicity (Fungicide)
4	Tebuconazole	Feb/Mar		RA	Potential toxicity (Fungicide)
4	Piperonyl Butoxide (PBO)	Feb/Mar		PID	Synergist of pyrethroids
4	MGK-264	Feb/Mar		PID	Synergist of pyrethroids
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