Proposed Data Elements for Pesticide Incidents

Fish and Wildlife Incidents

Office of Pesticide Programs
U.S. Environmental Protection Agency
November 24, 2015

ED_006500_00000147-00001

I. Fish and Wildlife Incidents

Subgroup	Data Element	Description
Contact Information	Submitter Name	Name and title of the individual submitting the incident report to the EPA.
	Submitter Organization	For 6(a)(2) reporting, the name of the registrant submitting the incident report. For other reporting, name of the entity (e.g., government agency, nonprofit organization, or academic institution) that is submitting the incident report to the EPA. If it is a private citizen, enter "private citizen."
	Submitter Category	Category of the entity submitting the report. ("Registrant" for 6(a)(2) reports)
	Submitter Address	Address of the individual submitting the report. (The registrant for 6(a)(2) reports.)
	Submitter Phone #	Phone number of the individual reporting the incident to the Registrant or Registrant Agent.
	Submitter Email	Email of the individual reporting the incident to the Registrant or Registrant Agent.
	Report Date	Date that the incident report was prepared.
	Contact Name	Contact information for a person, other than the submitter, who may be contacted for obtaining further information on the incident. This may be the complainant, a physician, a veterinarian, or a wildlife biologist.
	Incident Date (Start)	Date of the observed adverse effects, or if more than one day, the start date of the observed adverse effects.
	Incident Date (End)	End date of the observed adverse effects.
	Date Comment	Use to provide information about the timing of the incident when exact dates are not known. (Example: "Early April"). May also be used for comments concerning the start and end dates.
	Incident Awareness Date	Date when the registrant, or registrant agent, became aware of the incident. Not applicable to non-6(a)(2) incident reporting.
	Notification (Yes/No)	Indicates if the incident was reported to a government agency other than the EPA, such as a state government office.

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	Notification (Text Field)	Identifies the federal, state, or regional government office (other than EPA) that was notified of this incident.
	Part of a Study?	Indicates if the incident part of a larger study? An example is ongoing monitoring studies of pesticides in ground or surface water.
	Status (New or Update)	Indicates if the report is for a new incident or an update to a previously submitted incident.
Species and Number Affected	Species, Common Name	The common name of the species affected. May enter multiple values for some incidents.
	Species, Scientific Name	Scientific name of the species affected.
	Number Affected	The number of each species that were observed having the adverse effect. Enter the exact number if known, or a range if only an estimate is possible.
		Indicates if the number entered in "Number Affected" is an estimate.
		The minimum value of a range describing the approximate number of each species that were observed having the adverse effect.
		The maximum value of a range describing the approximate number of each species that were observed having the adverse effect.
		Text description or clarification of the number affected. This may include information on uncertainty about the number or range entered. May also provide a breakdown of the number affected by sex and/or age class (e.g. 2 adult males and 1 juvenile female).
Pesticide Information	EPA Registration No.	EPA Product Registration Number. Include the 1-6 digit manufacturer number and the 1-5 digit product identification number. Separate the two numbers with a hyphen. Distributor's number, if applicable, is entered separately.
	Canadian Reg. No.	Canadian product registration number (for Canadian incidents only).

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	Product Name	Product name. Should include the complete trade name, including codes describing the formulation, and any description of pesticide type. Example: "Propazine 80W Herbicide"
	Product Formulation	Formulation type of the product as purchased.
	Formulation as Applied	Formulation type of the product when it was applied (e.g. diluted solution, granule, dust, etc.)
	Active Ingredient	Common name of the active ingredient.
	Active Ingredient Comment	Information on the identity of the active ingredient when the specific ingredient cannot be identified or is not on the drop-down list. Enter the ingredient name if known but is not on the list. If the ingredient identity is unknown, enter the known or suspected chemical class or classes (e.g., "carbamate" or "anticoagulant rodenticide") or enter "unknown."
	Restricted Use Product	Indicates if the product is a restricted use product.
Application Information	Application Site Category	General category of application site (Agricultural, Residential, Commercial, etc.)
	Application Site	Description of the site where the pesticide product was applied. If it is an agricultural site, identify the crop. If an accidental exposure, enter the site of the exposure. If applied to an animal, enter "Animal treatment".
	Application Method	Description of method used to apply the pesticide. Examples include aerial spraying, ground spraying, granular application, and bait placement.
	Application Rate	Rate of the application of product, if known. Enter value and units.
	Misuse	Yes/No/Uncertain. Indicates if the manner the product was used was in violation of the label.
	Misuse Comment	For misuse cases, comment on evidence indicating misuse of the product.

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	Applicator Certification	Yes/No. Indicates if product was applied by, or under the supervision of, a certified applicator.
Incident Description	Incident Description	Description of what happened, including a general description of the suspected pesticide exposure and the adverse effects/symptoms observed. Also may include other important details not captured by the other data fields.
	Incident Site	Description of the site where the exposure occurred. If unknown, enter where symptoms, mortality, or other adverse effects were observed.
	Route of Exposure	Primary the route of exposure of individuals affected (e.g., oral, dermal, inhalation, or ocular)
	Exposure Pathway	The route of transport of the pesticide from the site of application to the affected organism (e.g., spray drift, run-off, volatilization, secondary exposure).
Lab Report	Lab Report Title	Title or description of the laboratory report(s) that the submitter attaches or encloses with the incident report submitted to the EPA.
	Lab Report Number	Report number for the laboratory report.
Weather	Weather	Significant weather conditions at the time of the incident.
Effect	Taxa	General taxonomic group of animals affected (bird, mammal, fish, etc.)
	Animal Species Scientific Name	Scientific name of animal species affected.
	Endangered Species	Endangered species status.
	Exact count?	Indicates if the number affected is an exact count or an estimate.
	Life Stage	Life stage of organism affected.
	Species Symptom Type	General keyword description of the most severe symptom observed in the particular species.
	Distance	Distance the species was found from the pesticide treatment site.

Subgroup	Data Element	Description
	Analytical Results	Summary of laboratory results of pesticide residue and other toxicology analysis performed on tissue samples or environmental samples.
Environmental Sample	PC Code (Env.)	PC Code of the pesticide measured in analysis of tissue sample. If a pesticide degradation product or metabolite was measured, then the PC code is for the parent compound.
	Degradate Name (Env.)	Common name of the compound measured when it is a degradation product or metabolite of an active ingredient. (Note that the PC Code of the parent compound is also entered.)
	Environmental Sample Type	Type of environmental medium analyzed (water, soil, vegetation, etc).
	Environmental Concentration	Concentration of the pesticide measured in a particular sample, in parts per billion (ppb). May be expressed as a value, an inequality (e.g., “<10”), or as a character string (e.g., “+” or "1.5-3.7").
	Water pH	pH measurement(s) of water at the incident site (single value or a range).
	Water Dissolved Oxygen	Dissolved oxygen measurement(s) of water at the incident site (single value or a range), in mg/L.
EPA Fields	PC Code	PC Code(s) of the active ingredient(s) to which the affected person or other organism was exposed.
	Certainty	EPA's conclusion on the certainty that the ingredient caused or contributed significantly to causing the observed adverse effects. Entered for each ingredient.
	Certainty Discussion	A brief discussion of the evidence supporting the certainty level that EPA assigned to the ingredient.

Subgroup	Data Element	Description
	Legality	EPA's categorization on the legality of the pesticide use. Legality categories are "Registered Use," "Suspected Misuse," "Known Misuse," and "Malicious Intent." ["Malicious Intent" used for intentional targeting of affected person or non-target organism.]
	Exposure-Severity Code	Code that indicates the type of incident and the severity level of the incident.