# Exhibit 67

February 22, 2018

Mr. Jordan Page
Risk Management and Implementation Branch III
Pesticide Re-evaluation Division (7508P)
Office of Pesticide Programs
U.S. Environmental Protection Agency
One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202

Subject: Submission of Waivers in Support of Registration Review

DCPA - (GDCI ID# 078701)

Response to EPA Memorandum dated March 21, 2014

Dear Mr. Page:

Enclosed please find waiver requests in support of the subject Registration Review of Dacthal (DCPA). These requests are provided, in response to the Agency's memorandum dated March 21, 2014 (received March 17, 2017), to address OPPTS Guideline requirements for environmental fate and ecological effects related to data for the parent DCPA and degradate TPA.

Enclosed please find the following documents (submitted via CDX e-portal system):

- Registration Application form (8570-1, dated <u>22-Feb-2018</u>).
- Transmittal document (dated 22-Feb-2018).
- Response addressing the following Guidelines:
  - o ss-1072 Chronic Sediment (Leptocheirus plumulosus)
  - o 850.1025 Oyster Acute Toxicity (shell deposition)
  - o 850.1035 Mysid Acute Toxicity
  - o 850.1075 Fish Acute Toxicity, Freshwater and Marine
  - o 850.1300 Daphnid Chronic Toxicity
  - o 850.1350 Mysid Chronic Toxicity
  - o 850.1400 Fish Early Life-Stage Toxicity
  - o 850.4400 Aquatic Vascular Plant Toxicity, Tiers 1, 2 (Lemna)
  - o 850.5400 Aquatic Non-Vascular Plant Toxicity Tier 1, 2 (Algal)
  - o 850.4100 Terrestrial Plant Toxicity Tier 1 (Seedling Emergence)
  - o 835.4300 Aerobic Aquatic Metabolism
  - o 835.4400 Anaerobic Aquatic Metabolism
  - o 835.6100 Terrestrial Field Dissipation

If you have questions or require additional information please do not hesitate to contact me at (949) 221-6109 or <a href="mailto:jonw@amvac-chemical.com">jonw@amvac-chemical.com</a>. Thank you for your attention to this matter.

Best regards,

Jon C. Wood

Sr. Regulatory Manager

Jan C. Work

<b>\$</b> EPA	United State nental Protect ashington, DC	ction Agency			Registra Amenda Other		OPP Identifier Number	
	Δ	pplication	for Pestic	ide - Sec	tion	ī		
1. Company/Product Number	r		2. EPA	Product Ma	nager		3. Propos	sed Classification
5481-495			Katheri	ine Montague				
4. Company/Product (Name)		PM#				<b>✓</b> None	e Restricted	
Technical Chlorthal Dimethyl		23						
5. Name and Address of App AMVAC Chemical Corporation 4695 MacArthur Court, Suite 1	1	Code	proc	duct is simila	r or id	lentical in c	ompositio	RA Section 3(c)(3)(b)(i), m n and labeling to:
Newport Beach, CA 92660	t		oduct Nam					
	k if this is a new add	iress	0 = - ('					
			Section -					
Amendment - Explain b			_			·	to Agenc	y letter dated <u>06-Jun-2017</u>
Resubmission in respo	onse to Agency letter	r dated	<b>"</b> "	le Too" Appl	icatior	1		
Notification - Explain b	elow		☑ ○	ther - Explai	n belo	w		
Waiver requests (13) submitte			Section -					
1. Material This Product Wil	I Be Packaged In:							
Child-Resistant Packaging	Unit Packaging		Water Soluble	Packaging		2. Type of	Container	
☐ Yes* ☐ No	☐ Yes		☐ Yes ☐ No			<u> </u>	Metal Plastic Glass	
* Certification must be submitted	If "Yes" Unit Packaging wt.	No. per container	If "Yes" Package wt.	es" No. per			cify)	
3. Location of Net Contents	Information	4. Size(s) Re	tail Container		5. Loc	ation of La	bel Directi	ons
					□ Or	Label		
Label	Container				□ On	Labeling a	ccompany	ing product
6. Manner in Which Label is Affixed to Product				☐ Stenciled ☐ Other				
			Section - I	V				
1. Contact Point (Complete i	tems directly below	for identification	on of individual t	o be contact	ed, if	necessary,	to process	s this application.)
Name Jon C. Wood			tle r. Regulatory Man	ager			Telephone (949) 221-	e No. (Include Area Code) 6109
I certify that the state		complete	nd all attachmen e.				nd	8. Date Application Received
I acknowledge that any l or both under applicable	knowingly false or n law.			unishable by	/ fine (	or imprison	ment	(Stamped)
2. Signature	3.	Title						

5. Date

22-Feb-2018

4. Typed Name Jon C. Wood

### **Transmittal Document**

### Name and Address of Submitter:

AMVAC Chemical Corporation 4695 MacArthur Court, Suite 1200 Newport Beach, CA 92660-1868

Company No. 5481

Contact Person: Jon C. Wood

Sr. Regulatory Manager

(949) 221-6109

jonw@amvac-chemical.com

### **Regulatory Actions:**

Submission of waivers in support of Registration Review of Dacthal.

**Transmittal Date**: February 22, 2018

### **List of Submitted Studies:**

Vol.	Contents	Guideline	Study Report Title	MRID No.
#		No.		
			Chronic Sediment – (Leptocheirus	
1	GDCI Waiver	ss-1072	plumulosus)	50533501
2	GDCI Waiver	850.1025	Oyster Acute Toxicity Test (shell deposition)	50533502
3	GDCI Waiver	850-1035	Mysid Acute Toxicity Test	50533503
4	GDCI Waiver	850.1075	Fish Acute Toxicity Test, Freshwater and	
			Marine	50533504
5	GDCI Waiver	850.1300	Daphnid Chronic Toxicity Test	50533505
6	GDCI Waiver	850.1350	Mysid Chronic Toxicity Test	50533506
7	GDCI Waiver	850.1400	Fish Early Life-Stage Toxicity Test	50533507
		850.4400	Aquatic Vascular Plant Toxicity Test – Tiers	
8	GDCI Waiver		I/II (Lemna spp.)	50533508
		850.5400	Aquatic Non-Vascular Plant Toxicity Test –	
9	GDCI Waiver		Tiers I/II (Algal species)	50533509
			Terrestrial Plant Toxicity – Tier 1 (Seedling	
10	GDCI Waiver	850.4100	Emergence)	50533510
11	GDCI Waiver	835.4300	Aerobic Aquatic Metabolism	50533511
12	GDCI Waiver	835.4400	Anaerobic Aquatic Metabolism	50533512
13	GDCI Waiver	835.6100	Terrestrial Field Dissipation	50533513

Waiver for OPPTS Guideline: SS-1072 – [Chronic Sediment - Leptocheirus plumulosus]

Rebuttal to EPA's March 21, 2014 memorandum, "Response to registrant's data waiver requests for environmental fate and ecological effects related to data for the parent DCPA and degradate TPA".

#### SS-1072: [Chronic Sediment - Leptocheirus plumulosus]

Within our March 17 teleconference with the EPA, AMVAC discussed the outstanding chronic *Leptocheirus plumulosus* data requirement. We were informed that EFED continues to seek an interim 10-day sub-chronic study. In response, we affirmed our view that such a study would not be useful in the Agency's determination of the chronic toxicity potential of Dacthal for reasons that are documented in our two previous submissions. Although we disagree with EFED on this point, we explained that AMVAC remains committed to conducting the chronic study once the performance guidelines are established.

The basis for our position was discussed. It remains our view that the sub-chronic study is really only useful as a measure of survival toxicity. We understand from discussions with CRO experts who are managing these types of laboratory studies that the sub-chronic study is limited in scope as assessing other effects such as the impact of exposure on growth is typically not well defined due to the shortened study period. Based on the established aquatic profile of Dacthal, which includes two chronic studies on sediment-dwelling organisms, there is already substantial evidence for predicting that acute effects will not emerge within the study's 10-day window.

Thus far, our view that the sub-chronic study is not a true indicator of chronic toxicity does not appear to be shared by EFED. For that reason, we discussed the possibility of AMVAC conducting the sub-chronic study as a part of a tiered approach. Under these circumstances, should the sub-chronic study be conducted and found not to reveal any sign of toxicity, we would expect EFED to recommend that the chronic study requirement was fulfilled. It is our understanding that the attending EPA staff on the conference call believed that there was merit in this proposal and that they would seek a response from EFED. We are currently awaiting that response.

ID # GDCI-0798701-1140

Waiver for OPPTS Guideline: 850.1025: Oyster Acute Toxicity Test (shell deposition)

Rebuttal to EPA's March 21, 2014 memorandum, "Response to registrant's data waiver requests for environmental fate and ecological effects related to data for the parent DCPA and degradate TPA".

### 850.1025: Oyster Acute Toxicity Test (shell deposition)

ID # GDCI-0798701-1140

Waiver for OPPTS Guideline: 850.1035: Mysid Acute Toxicity Test

Rebuttal to EPA's March 21, 2014 memorandum, "Response to registrant's data waiver requests for environmental fate and ecological effects related to data for the parent DCPA

and degradate TPA".

### 850.1035: Mysid Acute Toxicity Test

Waiver for OPPTS Guideline: 850.1300: Daphnid Chronic Toxicity Test

Rebuttal to EPA's March 21, 2014 memorandum, "Response to registrant's data waiver requests for environmental fate and ecological effects related to data for the parent DCPA and degradate TPA".

#### 850.1300: Daphnid Chronic Toxicity Test

ID # GDCI-0798701-1140

Waiver for OPPTS Guideline: 850.1075: Fish Acute Toxicity Test, Freshwater and Marine

Rebuttal to EPA's March 21, 2014 memorandum, "Response to registrant's data waiver requests for environmental fate and ecological effects related to data for the parent DCPA and degradate TPA".

### 850.1075: Fish Acute Toxicity Test, Freshwater and Marine

ID # GDCI-0798701-1140

Waiver for OPPTS Guideline: 850.1350: Mysid Chronic Toxicity Test

Rebuttal to EPA's March 21, 2014 memorandum, "Response to registrant's data waiver requests for environmental fate and ecological effects related to data for the parent DCPA and degradate TPA".

### 850.1350: Mysid Chronic Toxicity Test

Waiver for OPPTS Guideline: 850.1400: Fish Early Life-Stage Toxicity Test

Rebuttal to EPA's March 21, 2014 memorandum, "Response to registrant's data waiver requests for environmental fate and ecological effects related to data for the parent DCPA and degradate TPA".

### 850.1400: Fish Early Life-Stage Toxicity Test

Waiver for OPPTS Guideline: 850.4400: Aquatic Vascular Plant Toxicity Test – Tiers I/II (Lemna spp.)

Rebuttal to EPA's March 21, 2014 memorandum, "Response to registrant's data waiver requests for environmental fate and ecological effects related to data for the parent DCPA and degradate TPA".

### 850.4400: Aquatic Vascular Plant Toxicity Test – Tiers I/II (Lemna spp.)

Waiver for OPPTS Guideline: 850.5400: Aquatic Non-Vascular Plant Toxicity Test – Tiers I/II

(Algal species)

Rebuttal to EPA's March 21, 2014 memorandum, "Response to registrant's data waiver requests for environmental fate and ecological effects related to data for the parent DCPA and degradate TPA".

### 850.5400: Aquatic Non-Vascular Plant Toxicity Test – Tiers I/II (Algal species)

Waiver for OPPTS Guideline: 850:4100: Terrestrial Plant Toxicity - Tier 1 (Seedling

Emergence)

Rebuttal to EPA's March 21, 2014 memorandum, "Response to registrant's data waiver requests for environmental fate and ecological effects related to data for the parent DCPA and degradate TPA".

### 850:4100: Terrestrial Plant Toxicity – Tier 1 (Seedling Emergence)

The EPA has provided rationale for terrestrial plant toxicity testing, stating that the high conversion efficiency of Dacthal to TPA in soil provides a basis for further assessing the potential for effects due to exposure of this degradate. In the EPA's memorandum of March 21, 2014, the Agency states, "Toxicity data is needed for TPA; therefore one possible solution is in the conducting of a limited set of toxicity tests initially for TPA; and depending on the results of these initial studies a full suite of studies may or may not be subsequently required." On that basis, AMVAC will forthwith initiate the required testing.

Waiver for OPPTS Guideline: 835.4400: Anaerobic Aquatic Metabolism

Rebuttal to EPA's March 21, 2014 memorandum, "Response to registrant's data waiver requests for environmental fate and ecological effects related to data for the parent DCPA

and degradate TPA".

### 835.4400: Anaerobic Aquatic Metabolism

The EPA has indicated that based on their recognition of the anaerobic degradation pathway leading to the formation of TPA in soil, that it is important for the Agency to develop data on the fate of TPA under anaerobic conditions in an aquatic environment. AMVAC believes that previous studies have already demonstrated that microbial processes are not effective in degrading this compound. We propose that the Agency review the combined data set for the aerobic soil metabolism study, the anaerobic soil metabolism study, and the pending submission on the aerobic aquatic metabolism study to assess our contention. It is worth noting that in the anaerobic soil metabolism study (MRID 114651), TPA residues that are quickly formed remain stable throughout the duration of the study. This has been demonstrated in a sandy loam, a sandy clay loam, and a clay soil. There is also data demonstrating that TPA is fully stable to hydrolysis. Therefore, it is reasonable to assume full stability of TPA under anaerobic aquatic metabolism conditions with the expectation that a short-lived laboratory study would demonstrate no evidence of any degradation. The additional data that is forthcoming from the aerobic aquatic metabolism study will provide further evidence concerning the stability of TPA to microorganisms.

Therefore, we would request that the EPA defers their decision on the need of an anaerobic aquatic metabolism study until it has had the opportunity to consider the finding of all three studies in the context that is herein presented.

Waiver for OPPTS Guideline: 835.4300: Aerobic Aquatic Metabolism

Rebuttal to EPA's March 21, 2014 memorandum, "Response to registrant's data waiver requests for environmental fate and ecological effects related to data for the parent DCPA and degradate TPA".

### 835.4300: Aerobic Aquatic Metabolism

The EPA has indicated that based on their recognition of the aerobic soil degradation pathway leading to the formation of TPA, it is important for the Agency to develop data on the aquatic dissipation pathway for DCPA. In a recent response to EPA, we have informed the Agency that we intend to submit a study report that addresses this requirement by providing appropriate fate data for both DCPA and TPA.

Waiver for OPPTS Guideline: 835.6100: Terrestrial Field Dissipation

Rebuttal to EPA's March 21, 2014 memorandum, "Response to registrant's data waiver requests for environmental fate and ecological effects related to data for the parent DCPA and degradate TPA".

#### 835.6100: Terrestrial Field Dissipation

AMVAC has previously asserted that the 2003 "DCPA (Dacthal® Small-Scale-Water Monitoring Study" by Cooper, S.C. (MRID 44082601) provides the necessary soil dissipation study data to address the nature of this requirement. We have also requested that the Agency provide us with the DER for this study.

As stated in the report, the two prospective groundwater studies were commissioned as a result of EPA's review of 1984 leaching and dissipation study data, which was viewed as inadequate for addressing the issues of soil persistency and half-life determination of the diacid metabolite SDS-954. This work was conducted in response to the May 1988 Data Call-In Notice as a means to provide information to address these deficiencies.

The NY study site utilized 2 applications at an initial rate of 7.6 lbs. ai/A, followed by a higher rate of 10.6 lbs. ai/A. The CA study site utilized 3 applications at an initial rate of 14.3 lbs. ai/A, followed by a higher rate at 9.6 lbs. ai/A, and with a final rate of 6.5 lbs. ai/A.

The NY study findings were clear in that there was strong evidence that the biotic community in the soil was induced into a transformation that significantly modified the rate of degradation. Dacthal degradation yielded a half-life after the first application of 36.6 days, which was shortened to 22.6 days after the second application and further reduced to 2.7 days after the third application. Similar assimilation of the microbial community was noted in the CA study.

The metabolite TPA was determined to be formed at the NY site by the day-7 sampling. There was no evidence of significant leaching of parent (i.e., below 12 inches). For the initial degradate SDS-1449 (mono-acid), the decline profile was similar to parent and significant leaching was similarly not evident except at the 57-day sampling interval where residues were detected to a depth of 48 inches. This degradate was measured in the soil profile for up to ca. 2 months in the NY study and up to 6 months in the CA study. The maximum soil concentration did not exceed 0.15 ppm at either site, which represents only a small fraction of the chemical and is consistent with the premise that there is a rapid further transformation of SDS-1449 to SDS-954 (di-acid).

Waiver for OPPTS Guideline: 835.6100: Terrestrial Field Dissipation

The metabolite of leaching concern was established to be SDS-954, which was demonstrated to be highly mobile, which his consistent with past reported detections of this compound in groundwater. This key degradate was mesured at levels as high as 0.96 ppm in the CA-study and 1.23 ppm in the NY study. This study also provided important information in terms of groundwater containination by providing measurements of SDS-954 at lower soil depths using lysimetry and at different locations in the groundwater.

Form this work, one can conclude that the soil disipation half-life of dacthall is highly variable and that the chemical can be somewhat persistent until the microbial community adapts to the presence of the compound and is able to rapidly hydrolyze the ester functionality of the parent compound to create the di-acid. Although the intermediate metabolity SDS-1449 is very transient, the secondary metabolite SDS-954 is highly persistent and mobile. Its high mobility precludes an acurate determination of the soil half-life. However, there is sufficient evidence to support the contention that this compound is stable in the soil profile. The more extended scope of thse studies provides a much more encompassing view of the fate of Dacthal in the soil than is traditionally provided by soil dissipation studies. These studies also include information concerning the persistence of Dacthal residues in the thatch layer.

The EPA has also raised the question of the potential volatility of DCPA; however these studies demonstrate sufficient persistency of the parent compound to refute the notion that volatility would be a meaningful factor in its dissipation in the environment.

In summary, for reasons herein described, it is evident that DCPA dissipation has been well characterized and further attempts to define the degradation rate of the chemical would not be useful as chemical degradation varies widely. What is important to note is that soils once acclimated to the presence of the chemical, can degrade the Dacthal very rapidly. The perspective groundwater studies also provide information not typically available in field dissipation studies, verifying that DCPA is not prone to leaching to groundwater. The study further validates the very transient nature of the mon-acid metabolite and the persistence of the di-acid metabolite and its propensity for leaching. As TPA does not degrade in water or soils appreciably – there is no value in further exploring its fate in a soil environment. It is through other metabolic processes, such as that demonstrated in plants, where the chemical can be further degraded. With the submission of these high tier studies, there is no merit in developing additional field dissipation study data.

Data Submission						
DCI Number: GDCI-078701-114	10					
Data Call-In Information						
Company Name		AMVAC CHEMICAL CORPORATION				
Company Address		4695 MACARTHUR COURT, SUITE 1200 NEWPO	RT BEACH, CA 92660170	06		
DCI Type		Generic				
Issued Date		01/31/2013				
90-Day Response Deadline		05/11/2013			· ·	
CRMInformation		King, Marquea				
Chemical Name		DCPA (or chlorthal-dimethyl?)				
Chemical Number		078701				
Data Submission Information						
Tracking Number		CDX_DCI_2018_000167				
DCI Level Documents						
File Name	File Typ	De .	MRID	CBI	Submitted Date	
20180222 DCPA GDCl Waivers_cover signed.pdf	Submis	ssion Cover Letter	NA	N	02/23/2018	
EPA Product Registration Num	ber(s)					
5481-495						
EPA Product Registration Docu	ıments:	5481-495				
File Name	File Typ	oe e	MRID	СВІ	Submitted Date	
20180222 DCPA GDCl Waivers_Transmittal_DRAFT. pdf	Genera	al Correspondences	NA	N	02/23/2018	
20180222 DCPA GDCl Waivers_870-1_signed.pdf	Genera	al Correspondences	NA	N	02/23/2018	
Guideline Requirement Numbe	r(s)					
Guideline Requirement Numbe	r - 835.12	230				
Study Title		Sediment and soil absorption/desorption for parent and degradates				
Protocol		N				
Target Submission Date		01/31/2014				
Use Pattern		A; B; C; II; K; U				
Test Substance		DEGR				
Time Frame		12 month(s)				
Footnote(s)		3. Test to be conducted with TPA degradate only.				
Registrant Response		NA NA				
Guideline Requirement Numbe	r - 835.12	240				
Study Title		Soil column leaching				
Protocol		N				
Target Submission Date		01/31/2014				
Use Pattern		A; B; C; II; K; U				
Test Substance		DEGR				

Time Frame	12 month(s)
Footnote(s)	3. Test to be conducted with TPA degradate only.
Registrant Response	NA
Guideline Requirement Number	
Study Title	Hydrolysis of parent and degradates as a function of pH at 25 C
Protocol	N
Target Submission Date	01/31/2014
Use Pattern	A; B; C; II; K; U
Test Substance	DEGR
Time Frame	12 month(s)
Footnote(s)	3. Test to be conducted with TPA degradate only.
Registrant Response	NA.
Guideline Requirement Number	- 835.4100
Study Title	Aerobic soil metabolism
Protocol	N
Target Submission Date	01/31/2015
Use Pattern	A; B; C; II; K; U
Test Substance	DEGR
Time Frame	24 month(s)
Footnote(s)	3. Test to be conducted with TPA degradate only.
Registrant Response	NA.
Guideline Requirement Number	-835.4200
Study Title	Anaerobic soil metabolism
Protocol	N
Target Submission Date	01/31/2015
Use Pattern	A; B; C; II; K; U
Test Substance	DEGR
Time Frame	24 month(s)
Footnote(s)	3. Test to be conducted with TPA degradate only.
Registrant Response	NA.
Guideline Requirement Number	- 835.4300
Study Title	Aerobic aquatic metabolism
Protocol	N
Target Submission Date	01/31/2015
Use Pattern	A; B; C; II; K; U
	COMMENT
Test Substance	-
Test Substance Time Frame	24 month(s)
	24 month(s)  2. Tests to be conducted with DCPA parent and TPA degradate.

File Name	File Ty	pe	MRID	СВІ	Submitted Date	
20180222 DCPA GDCI_Waiver 835.4300 Aerobic Aquatic Metabolism.pdf	Data V	laiver Request	50533511	No CBI	02/23/2018	
Guideline Requirement Numb	er - 835.4	400				
Study Title		Anaerobic aquatic metabolism				
Protocol		N				
Target Submission Date		01/31/2015				
Use Pattern		A; B; C; II; K; U				
Test Substance		DEGR				
Time Frame		24 month(s)				
Footnote(s)		3. Test to be conducted with TPA degradate on	ly.			
Registrant Response		NA				
Uploaded Documents						
File Name	File Ty	ре	MRID	CBI	Submitted Date	
20180222 DCPA GDCI_Waiver 835.4400 Anaerobic Aquatic Metabolism.pdf		/aiver Request	50533512	No CBI	02/23/2018	
Guideline Requirement Numb	er - 835.6	100				
Study Title		Terrestrial field dissipation				
Protocol		N				
Target Submission Date		01/31/2015				
Use Pattern		A; B; C; II; K; U				
Test Substance		COMMENT				
Time Frame		24 month(s)				
Footnote(s)		2. Tests to be conducted with DCPA parent and TPA degradate.				
Registrant Response		NA				
Uploaded Documents						
File Name	File Ty	pe	MRID	CBI	Submitted Date	
20180222 DCPA GDCI_Waiver 835.6100 Terrestrial Field Dissipation.pdf	Data V	/aiver Request	50533513	No CBI	02/23/2018	
Guideline Requirement Numb	er - 850.1	010				
Study Title		Aquatic invertebrate acute toxicity, test, freshv	vater daphnids			
Protocol		N				
Target Submission Date		01/31/2014				
Use Pattern		A; B; C; II; K; U				
Test Substance		COMMENT				
Test Substance		12 month(s)				
Test Substance Time Frame		12 month(s)				
		12 month(s)  2. Tests to be conducted with DCPA parent and	I TPA degradate.			

File Name	File Typ	DE	MRID	CBI	Submitted Date	
Uploaded Documents	GIA TI-	20	MDID	CRI	Submitted Date	
Registrant Response		NA				
Footnote(s)		Tests to be conducted with DCPA parent and TPA degradate.     16. Preferred test species are rainbow trout, Oncorhynchus mykiss and bluegill sunfish, Lepomis macrochirus (freshwater); and sheepshead minnow, Cyprinodon variegatus (estuarine/marine).				
Time Frame		12 month(s)				
Test Substance		COMMENT				
Use Pattern		A; B; C; II; K; U				
Target Submission Date		01/31/2014				
Protocol		N				
Study Title		Fish acute toxicity test, freshwater and marine				
Guideline Requirement Numbe	r - 850.10	075				
20180222 DCPA GDCI_Waiver 850.1035 Mysid Acute Toxicity Test.pdf	Data W	/aiver Request	50533503	No CBI	02/23/2018	
File Name	File Typ	De Company	MRID	CBI	Submitted Date	
Uploaded Documents						
Registrant Response		NA.				
Footnote(s)		Tests to be conducted with DCPA parent and TPA degradate.     Preferred test species is Mysidopsis bahia, mysid shrimp.				
Time Frame		12 month(s)				
Test Substance		соммент				
Use Pattern		A; B; C; II; K; U				
Target Submission Date		01/31/2014				
Protocol		N				
Study Title		Mysid acute toxicity test				
Guideline Requirement Number	r - 850.10	035				
20180222 DCPA GDCI_Waiver 850.1025 Cyster Acute Toxicity Test (shell deposition).pdf		/aiver Request	50533502	No CBI	02/23/2018	
File Name			MRID	CBI	Submitted Date	
Uploaded Documents						
Registrant Response		15. Preferred test species is Crassostrea virgii N.A.	nica, Eastern oyster.			
Footnote(s)		2. Tests to be conducted with DCPA parent and				
Time Frame		12 month(s)				
Test Substance		COMMENT				
Use Pattern		01/31/2014 A; B; C; II; K; U				
Target Submission Date		N 01/31/2014				
* · · · · · · · · · · · · · · · · · · ·						
		Oyster acute toxicity test (shell deposition)				

20180222 DCPA GDCI_Waiver 850.1075 Fish Acute Toxicity Test, Freshwater and Marine.pdf	Data W	/aiver Request	50533504	No CBI	02/23/2018	
Guideline Requirement Number	r - 850.1	300				
Study Title		Daphnid chronic toxicity test				
Protocol		N				
Target Submission Date		01/31/2014				
Use Pattern		A; B; C; II; K; U				
Test Substance		COMMENT				
Time Frame		12 month(s)				
Footnote(s)		Tests to be conducted with DCPA parent and     Preferred test species is Daphnia magna.	TPA degradate.			
Registrant Response		NA				
Uploaded Documents						
File Name	File Ty	De	MRID	CBI	Submitted Date	
20180222 DCPA GDCI_Waiver 850.1300 Daphnid Chronic Toxicity Test.pdf		/aiver Request	50533505	No CBI	02/23/2018	
Guideline Requirement Number	r - 850.1	350				
Study Title		Mysid chronic toxicity test				
Protocol		N				
Target Submission Date		01/31/2014				
Jse Pattern		A; B; C; II; K; U				
Test Substance		COMMENT				
Time Frame		12 month(s)				
Footnote(s)		Tests to be conducted with DCPA parent and TPA degradate.     Preferred test species is Mysidopsis bahia, mysid shrimp.				
Registrant Response		NA				
Uploaded Documents						
File Name	File Ty	oe e	MRID	СВІ	Submitted Date	
20180222 DCPA GDCI_Waiver 850.1350 Mysid Chronic Toxicity Test.pdf	Data W	laiver Request	50533506	No CBI	02/23/2018	
Guideline Requirement Number	r - 850.1	400				
StudyTitle		Fish early-life stage toxicity test				
Protocol		N				
Target Submission Date		01/31/2014				
Use Pattern		A; B; C; II; K; U				
Test Substance		СОММЕНТ				
Time Frame		12 month(s)				
Footnote(s)		Tests to be conducted with DCPA parent and     Referred test species are rainbow trout, O     (freshwater); and sheepshead minnow, Cypring	ncorhynchus mykiss an		nis macrochirus	
Registrant Response		NA				

Uploaded Documents						
File Name	File Type	MRID	CBI	Submitted Date		
20180222 DCPA GDCI_Waiver 850.1400 Fish Early Life-Stage Toxicity Test.pdf	Data Waiver Request	50533507	No CBI	02/23/2018		
Guideline Requirement Number	r - 850.1730					
Study Title	Fish BCF					
Protocol	N					
Target Submission Date	01/31/2014					
Use Pattern	A; B; C; II; K; U					
Test Substance	DEGR					
Time Frame	12 month(s)					
Footnote(s)	3. Test to be conducted with	TPA degradate only.				
Registrant Response	N.A.					
Guideline Requirement Number	r - 850.2100					
Study Title	Avian acute oral toxicity test					
Protocol	N					
Target Submission Date	01/31/2014	01/31/2014				
Use Pattern	A; B; C; II; K; U	A; B; C; II; K; U				
Test Substance	TGAI	TGAI				
Time Frame	12 month(s)	12 month(s)				
Footnote(s)	12. Preferred test species is	12. Preferred test species is redwing blackbird, Agelaius phoneiceus.				
Registrant Response	N.A.	NA NA				
Guideline Requirement Number	r - 850.2300					
Study Title	Avian reproduction test					
Protocol	N	N				
Target Submission Date	01/31/2015	01/31/2015				
Use Pattern	A; B; C; II; K; U	A; B; C; II; K; U				
Test Substance	TGAI	TGAI				
Time Frame	24 month(s)	24 month(s)				
Footnote(s)	17. Preferred test species are	17. Preferred test species are mallard duck and Northern bobwhite quail.				
Registrant Response	NA.	NA NA				
Guideline Requirement Number	r - 850.4100					
Study Title	Terrestrial Plant Toxicity (See	edling Emergence)				
Protocol	N	N				
Target Submission Date	01/31/2014					
Use Pattern	A; B; C; II; K; U					
Test Substance	TEP					
Time Frame	12 month(s)	12 month(s)				

Footnote(s)  Registrant Response  Uploaded Documents  File Name File Tyl  20180222 DCPA		20. Data are required for six species of dicots from at least four families, one species of which is soybean (Glycine max). Data are required for four species of monocots from at least two families, one species of which is corn (Zea mays). At least one of either the monocot or dicot species must be a root crop.  25. A Tier II study is required. A Tier I plant study may be conducted in lieu of a Tier II study with the understanding the any adverse effects observed by the Tier I study would necessitate conduct and submission of a Tier II study as well. The purpose of a Tier II study is to establish both a definitive No Observed Adverse Effect Concentration (NOAEC), or alternatively, a concentration at which there is a 5% observed inhibition effect (ICO5), to be used in a risk assessmen and effects determination for endangered or threatened species (listed species), and a definitive IC25 (concentration at which there is a 25% observed inhibition effect) for assessing risk to non-listed nontarget plants. If any adverse effects are observed in a Tier I study and neither a definitive NOAEC nor a definitive ICO5 value is available, then the Agency may have to presume in its effects determination, that DCPA "may affect" and is "likely to adversely affect" listed plant species.  N.A.  MRID  CBI Submitted Date				
20180222 DCPA GDCI_Waiver 850.4100 Terrestrial Plant Toxicity Tier 1 (Seedling Emergence).pdf	Data W	aiver Request	50533510	No CBI	02/23/2018	
Guideline Requirement Number	r - 850.41	50				
Study Title		Terrestrial plant toxicity, Tier 1 (vegetative vigo	r)			
Protocol		N				
Target Submission Date		01/31/2014				
Use Pattern		A; B; C; II; K; U				
Test Substance		COMMENT				
Time Frame		12 month(s)				
Footnote(s)		2. Tests to be conducted with DCPA parent and TPA degradate.  20. Data are required for six species of dicots from at least four families, one species of which is soybean (Gycine max). Data are required for four species of monocots from at least two families, one species of which is corn (Zea mays). At least one of either the monocot or dicot species must be a root crop.  25. A Tier II study is required. A Tier I plant study may be conducted in lieu of a Tier II study with the understanding that any adverse effects observed by the Tier I study would necessitate conduct and submission of a Tier II study as well. The purpose of a Tier II study is to establish both a definitive No Observed Adverse Effect Concentration (NOAEC), or alternatively, a concentration at which there is a 5% observed inhibition effect (IC05), to be used in a risk assessment and effects determination for endangered or threatened species (listed species), and a definitive IC25 (concentration at which there is a 25% observed inhibition effect) for assessing risk to non-listed nontarget plants. If any adverse effects are observed in a Tier I study and neither a definitive NOAEC nor a definitive IC05 value is available, then the Agency may have to presume in its effects determination, that DCPA "may affect" and is "likely to adversely affect" listed plant species.				
Registrant Response		NA.				
Guideline Requirement Number	r - 850.44	100				
Study Title		Aquatic plant toxicity test using Lemna spp. Tie	rs I and II			
Protocol		N				
Target Submission Date		01/31/2014				
Use Pattern		A; B; C; II; K; U				
Test Substance		COMMENT				
Time Frame		12 month(s)				
Footnote(s)		2. Tests to be conducted with DCPA parent and TPA degradate. 22. Data are required for a duckweed species. 24. A Tier II study is required. A Tier I plant study may be conducted in lieu of a Tier II study with the understanding that any adverse effects observed by the Tier I study would necessitate conduct and submission of a Tier II study as well. The purpose of a Tier II study is to establish both a definitive No Observed Adverse Effect Concentration (NOAEC), or alternatively, a concentration at which there is a 5% observed inhibition effect (IC05), to be used in a risk assessment and effects determination for endangered or threatened species (listed species), and a definitive IC50 (concentration at which there is a 50% observed inhibition effect) for assessing risk to non-listed nontarget plants. If any adverse effects are observed in a Tier I study and neither a definitive NOAEC nor a definitive IC05 value is available, then the Agency may have to presume in its effects determination, that DCPA "may affect" and is "likely to adversely affect" listed plant species.				

Registrant Response		NA .				
Uploaded Documents						
File Name	File Typ	Die .	MRID	CBI	Submitted Date	
20180222 DCPA  CDCI_Waiver 850.4400  Aquatic Vascular Plant  Toxicity Test, Tiers I_II (Lemna spp.).pdf		aiver Request	50533508	No CBI	02/23/2018	
Guideline Requirement Number	r - 850.54	100				
Study Title		Algal toxicity, Tiers 1 and II				
Protocol		N				
Target Submission Date		01/31/2014				
Use Pattern		A; B; C; II; K; U				
Test Substance		COMMENT				
Time Frame		12 month(s)				
Footnote(s)		<ol> <li>Tests to be conducted with DCPA parent and TPA degradate.</li> <li>Data are required for a freshwater green alga species, a freshwater diatom species, a marine diatom species, and a cyanobacterium (formerly known as blue-green algae).</li> <li>A Tier II study is required. A Tier I plant study may be conducted in lieu of a Tier II study with the understanding that any adverse effects observed by the Tier I study would necessitate conduct and submission of a Tier II study as well. The purpose of a Tier II study is to establish both a definitive No Observed Adverse Effect Concentration (NOAEC), or alternatively, a concentration at which there is a 5% observed inhibition effect (IC05), to be used in a risk assessment and effects determination for endangered or threatened species (listed species), and a definitive IC50 (concentration at which there is a 50% observed inhibition effect) for assessing risk to non-listed nontarget plants. If any adverse effects are observed in a Tier I study and neither a definitive NOAEC nor a definitive IC05 value is available, then the Agency may have to presume in its effects determination, that DCPA "may affect" and is "likely to adversely affect" listed plant species.</li> </ol>				
Registrant Response						
Registrant Response		NA				
Registrant Response  Uploaded Documents		NA				
	File Typ		MRID	СВІ	Submitted Date	
Uploaded Documents			MRID 50533509	CBI No CBI	Submitted Date 02/23/2018	
Uploaded Documents  File Name  20180222 DCPA  CDCI_Waiver 850.5400  Aquatic Non-Vascular Plant Toxicity Test, Tiers I_II (Algal	Data W	e /aiver Request				
Uploaded Documents  File Name  20180222 DCPA  CDCI_Waiver 850.5400  Aquatic Non-Vascular Plant Toxicity Test, Tiers I_II (Algal species).pdf	Data W	e /aiver Request				
Uploaded Documents  File Name  20180222 DCPA  CDCI_Waiver 850.5400  Aquatic Non-Vascular Plant Toxicity Test, Tiers I_II (Algal species).pdf  Guideline Requirement Number	Data W	aiver Request				
Uploaded Documents  File Name  20180222 DCPA  GDCI_Waiver 850.5400  Aquatic Non-Vascular Plant Toxicity Test, Tiers I_II (Algal species).pdf  Guideline Requirement Number  Study Title	Data W	Vaiver Request  800  Nature of the residue - plants, livestock				
Uploaded Documents  File Name  20180222 DCPA  CDCI_Waiver 850.5400  Aquatic Non-Vascular Plant Toxicity Test, Tiers I_II (Algal species).pdf  Quideline Requirement Number  Study Title  Protocol	Data W	Vaiver Request  300  Nature of the residue - plants, livestock  N				
Uploaded Documents  File Name  20180222 DCPA CDCI_Waiver 850.5400 Aquatic Non-Vascular Plant Toxicity Test, Tiers I_II (Algal species).pdf  Guideline Requirement Number  Study Title  Protocol  Target Submission Date	Data W	Vaiver Request  300  Nature of the residue - plants, livestock  N  01/31/2015				
Uploaded Documents  File Name  20180222 DCPA  CDCI_Waiver 850.5400  Aquatic Non-Vascular Plant Toxicity Test, Tiers I_II (Algal species).pdf  Guideline Requirement Number  Study Title  Protocol  Target Submission Date  Use Pattern	Data W	ve  Vaiver Request  800  Nature of the residue - plants, livestock  N  01/31/2015  A; B; C; II; K; U				
Uploaded Documents  File Name  20180222 DCPA CDCI_Waiver 850.5400 Aquatic Non-Vascular Plant Toxicity Test, Tiers I_II (Algal species).pdf  Quideline Requirement Number Study Title  Protocol  Target Submission Date  Use Pattern  Test Substance	Data W	ve  /aiver Request  300  Nature of the residue - plants, livestock  N  01/31/2015  A; B; C; II; K; U  PAIRA	50533509	No CBI	02/23/2018  eed supporting storage	
Uploaded Documents  File Name  20180222 DCPA CDCI_Waiver 850.5400 Aquatic Non-Vascular Plant Toxicity Test, Tiers I_II (Algal species).pdf  Guideline Requirement Number Study Title  Protocol  Target Submission Date  Use Pattern  Test Substance  Time Frame	Data W	laiver Request  300  Nature of the residue - plants, livestock  N  01/31/2015  A; B; C; II; K; U  PAIRA  24 month(s)  18. Nature of the residue for poultry only. The restability data for all DCPA residues of concern,	50533509	No CBI	02/23/2018  eed supporting storage	
Uploaded Documents  File Name  20180222 DCPA CDCI_Waiver 850.5400 Aquatic Non-Vascular Plant Toxicity Test, Tiers I_II (Algal species).pdf  Guideline Requirement Number  Study Title  Protocol  Target Submission Date  Use Pattern  Test Substance  Time Frame  Footnote(s)	Data W	/aiver Request  300  Nature of the residue - plants, livestock  N  01/31/2015  A; B; C; II; K; U  PAIRA  24 month(s)  18. Nature of the residue for poultry only. The restability data for all DCPA residues of concern, months of collection.  N.A.	50533509	No CBI	02/23/2018  eed supporting storage	
Uploaded Documents  File Name  20180222 DCPA CDCI_Waiver 850.5400 Aquatic Non-Vascular Plant Toxicity Test, Tiers I_II (Algal species).pdf  Guideline Requirement Number Study Title  Protocol  Target Submission Date  Use Pattern  Test Substance  Time Frame  Footnote(s)  Registrant Response	Data W	/aiver Request  300  Nature of the residue - plants, livestock  N  01/31/2015  A; B; C; II; K; U  PAIRA  24 month(s)  18. Nature of the residue for poultry only. The restability data for all DCPA residues of concern, months of collection.  N.A.	50533509	No CBI	02/23/2018  eed supporting storage	
Uploaded Documents  File Name  20180222 DCPA CDCI_Waiver 850.5400 Aquatic Non-Vascular Plant Toxicity Test, Tiers I_II (Algal species).pdf  Guideline Requirement Number Study Title  Protocol  Target Submission Date  Use Pattern  Test Substance  Time Frame  Footnote(s)  Registrant Response  Guideline Requirement Number	Data W	Value Request  Nature of the residue - plants, livestock  N  01/31/2015  A; B; C; II; K; U  PAIRA  24 month(s)  18. Nature of the residue for poultry only. The restability data for all DCPA residues of concern, months of collection.  N.A.	50533509	No CBI	02/23/2018  eed supporting storage	
Uploaded Documents  File Name  20180222 DCPA CDCI_Waiver 850.5400 Aquatic Non-Vascular Plant Toxicity Test, Tiers I_II (Algal species).pdf  Guideline Requirement Number Study Title  Protocol  Target Submission Date  Use Pattern  Test Substance  Time Frame  Footnote(s)  Registrant Response  Guideline Requirement Number Study Title	Data W	laiver Request  300  Nature of the residue - plants, livestock  N  01/31/2015  A; B; C; II; K; U  PAIRA  24 month(s)  18. Nature of the residue for poultry only. The restability data for all DCPA residues of concern, months of collection.  N.A.  340  Residue analytical method	50533509	No CBI	02/23/2018  eed supporting storage	

Test Substance	Residue of Concern
Time Frame	24 month(s)
Footnote(s)	7. Residue analytical method for livestock commodities only. The registrant has submitted a method for determining residues of DCPA and its metabolites that may be suitable but must be tested by an independent laboratory to ensurth that it is useful.
Registrant Response	NA.
Guideline Requirement Number	- 860.1380
Study Title	Storage stability data
Protocol	N
Target Submission Date	01/31/2015
Use Pattern	A; B; C; II; K; U
Test Substance	TEP; res of concrn
Time Frame	24 month(s)
Footnote(s)	11. Previously submitted data from several field trials did not include necessary information about storage intervals and conditions. This information is required to allow the Agency to evaluate data from the studies with MRID#s 00017975, 00018299, 00033087, 00038919, 00058377, 00058378, 00072099, 00090259, 00114643, 00114678, 00114679, 00114680, 00114681, 00121864, and 00130562.
Registrant Response	NA.
Guideline Requirement Number	- 860.1480
Study Title	Meat/milk/poultry/eggs
Protocol	N
Target Submission Date	01/31/2015
Use Pattern	A; B; C; II; K; U
Test Substance	TGAI; plant metab
Time Frame	24 month(s)
Footnote(s)	23. Cattle feeding study. The required study will need supporting storage stability data for all DCPA residues of concern, unless the samples from the feeding study are analyzed within 30 days of collection.
Registrant Response	NA.
Guideline Requirement Number	- 860.1900
Study Title	Field accumulation in rotational crops
Protocol	N
Target Submission Date	01/31/2016
Use Pattern	A; B; C; II; K; U
Test Substance	TEP
Time Frame	36 month(s)
Footnote(s)	1. The scope of this requirement is dependent upon the registrant's intent to support the rotation of particular crop into areas previously treated with DCPA and the desired plantback interval(s) for these crops. Any crop without a registered use and for which the registrant wishes rotation to be allowed requires field trial data to determine a suitable tolerance level. A crop group approach, requiring data on representative commodities, may be appropriate several crops within a group are to be rotated. For individual crops, testing must include the standard number of tri that would be needed to support tolerances for direct crop treatment, e.g., 20 trials for wheat. In its data submission the registrant must indicate the crops it wishes to support for rotation and the corresponding proposed plant-back intervals.
Registrant Response	NA.
Guideline Requirement Number	- 870.3465
Study Title	90-day inhalation toxicity
Protocol	N

Target Submission Date	01/31/2015
Use Pattern	A; B; C; II; K; U
Test Substance	TGAI
Time Frame	24 month(s)
Footnote(s)	
Registrant Response	NA NA
Guideline Requirement Number - 8	370.6200
Study Title	Neurotoxicity screening battery
Protocol	N
Target Submission Date	01/31/2014
Use Pattern	A; B; C; II; K; U
Test Substance	TGAI
Time Frame	12 month(s)
Footnote(s)	
Registrant Response	NA NA
Guideline Requirement Number - 8	370.7800
Study Title	Immunotoxicity
Protocol	N
Target Submission Date	01/31/2014
Use Pattern	A; B; C; II; K; U
Test Substance	TGAI
Time Frame	12 month(s)
Footnote(s)	
Registrant Response	NA NA
Guideline Requirement Number - S	SS-1066
Study Title	Chronic Sediment - Hyalella Azteca
Protocol	Y
Target Submission Date	01/31/2015
Use Pattern	A; B; C; II; K; U
Test Substance	TGAI
Time Frame	24 month(s)
Footnote(s)	6. Test Method 100.4: Hyalella azteca 42-d Test for Measuring the Effects of Sediment-associated Contaminants on Survival, Growth, and Reproduction in USEPA 2000 Methods for Measuring the Toxicity and Bioaccumulation of Sediment-associated Contaminants with Freshwater Invertebrates EPA 600/R-99/064  8. Protocol must be submitted to the Agency for review and approval prior to study inception. The draft protocol must be submitted to the Agency within 90 days of receipt of this DCI.
Registrant Response	NA NA
Guideline Requirement Number - S	SS-1069
Study Title	Chronic Sediment - Chironomus dilutus
Protocol	Y
Target Submission Date	01/31/2015
Use Pattern	A; B; C; II; K; U

Test Substance		TGAI							
Time Frame		24 month(s)							
Footnote(s)		5. Test Method 100.5: Life-cycle Test for Measuring the Effects of Sediment-associated Contaminants on Chironomus dilutus (formerly known as C. tentans) in USEPA 2000 Methods for Measuring the Toxicity and Bioaccumulation of Sediment-associated Contaminants with Freshwater Invertebrates EPA 600/R-99/064 9. Protocol must be submitted to the Agency for review and approval prior to study inception. The draft protocol must be submitted to the Agency within 90 days of receipt of this DCI							
Registrant Response		NA							
Guideline Requirement Number	er - SS-10	72							
Study Title		Chronic Sediment - Leptocheirus plumulosus							
Protocol		Υ							
Target Submission Date		01/31/2015							
Use Pattern		A; B; C; II; K; U							
Test Substance		TGAI							
Time Frame		24 month(s)							
Footnote(s)		9. Protocol must be submitted to the Agency for review and approval prior to study inception. The draft protocol must be submitted to the Agency within 90 days of receipt of this DCl 19. Leptocheirus plumulosus in USEPA 2001 Method for Assessing the Chronic Toxicity of Marine and Estuarine Sediment-associated Contaminants with the Amphipod Leptocheirus plumulosus EPA 600/R-0I/020							
Registrant Response		NA.							
Uploaded Documents									
File Name	File Typ	oe e	MRID	СВІ	Submitted Date				
20180222 DCPA GDCI_Waiver SS-1072 [Chronic Sediment - Leptocheirus plumulosus].pdf	Data W	/aiver Request	50533501	No CBI	02/23/2018				
Guideline Requirement Numbe	er - SS-10	75							
Study Title		Avian Acute Inhalation							
StudyTitle		Avian Acute innalation		Y					
Study Title Protocol									
-									
Protocol		Υ							
Protocol Target Submission Date		Y 10/31/2013							
Protocol Target Submission Date Use Pattern		Y 10/31/2013 A; B; C; II; K; U							
Protocol Target Submission Date Use Pattern Test Substance		Y 10/31/2013 A; B; C; II; K; U TGAI	species as shown in ac of the choice of test spe	ute oral toxicity testing.	Registrant must				
Protocol Target Submission Date Use Pattern Test Substance Time Frame		Y  10/31/2013  A; B; C; II; K; U  TGAI  9 month(s)  4. Test organism must be most sensitive avian	species as shown in ac of the choice of test spe	ute oral toxicity testing. cies.	Registrant must				
Protocol Target Submission Date Use Pattern Test Substance Time Frame Footnote(s)	er - SS-thy	Y  10/31/2013  A; B; C; II; K; U  TGAI  9 month(s)  4. Test organism must be most sensitive avian submit a protocol that includes an explanation  N.A.	species as shown in ac of the choice of test spe	ute oral toxicity testing. cies.	Registrant must				
Protocol Target Submission Date Use Pattern Test Substance Time Frame Footnote(s) Registrant Response	er - SS-thy	Y  10/31/2013  A; B; C; II; K; U  TGAI  9 month(s)  4. Test organism must be most sensitive avian submit a protocol that includes an explanation  N.A.	species as shown in ac of the choice of test spe	ute oral toxicity testing. cies.	Registrant must				
Protocol Target Submission Date Use Pattern Test Substance Time Frame Footnote(s) Registrant Response Guideline Requirement Number	er - SS-thy	Y  10/31/2013  A; B; C; II; K; U  TGAI  9 month(s)  4. Test organism must be most sensitive avian submit a protocol that includes an explanation  N.A.  vroid tox.	species as shown in ac of the choice of test spe	ute oral toxicity testing. cies.	Registrant must				
Protocol Target Submission Date Use Pattern Test Substance Time Frame Footnote(s) Registrant Response Guideline Requirement Number	er - SS-thy	Y  10/31/2013  A; B; C; II; K; U  TGAI  9 month(s)  4. Test organism must be most sensitive avian submit a protocol that includes an explanation  N.A.  vroid tox.  comparative thyroid toxicity study	species as shown in ac of the choice of test spe	ute oral toxicity testing, cies.	Registrant must				
Protocol Target Submission Date Use Pattern Test Substance Time Frame Footnote(s) Registrant Response Guideline Requirement Number Study Title Protocol	er - SS-thy	Y  10/31/2013  A; B; C; II; K; U  TGAI  9 month(s)  4. Test organism must be most sensitive avian submit a protocol that includes an explanation N.A.  yroid tox.  comparative thyroid toxicity study  Y	species as shown in ac of the choice of test spe	ute oral toxicity testing. cies.	Registrant must				
Protocol Target Submission Date Use Pattern Test Substance Time Frame Footnote(s) Registrant Response Guideline Requirement Number Study Title Protocol Target Submission Date	er - SS-thy	Y  10/31/2013  A; B; C; II; K; U  TGAI  9 month(s)  4. Test organism must be most sensitive avian submit a protocol that includes an explanation  N.A.  vroid tox.  comparative thyroid toxicity study  Y  01/31/2015	species as shown in ac of the choice of test spe	ute oral toxicity testing.	Registrant must				
Protocol Target Submission Date Use Pattern Test Substance Time Frame Footnote(s) Registrant Response Guideline Requirement Number Study Title Protocol Target Submission Date Use Pattern	er - SS-thy	Y  10/31/2013  A; B; C; II; K; U  TGAI  9 month(s)  4. Test organism must be most sensitive avian submit a protocol that includes an explanation  N.A  proid tox.  comparative thyroid toxicity study  Y  01/31/2015  A; B; C; II; K; U	species as shown in ac of the choice of test spe	ute oral toxicity testing.	Registrant must				
Protocol Target Submission Date Use Pattern Test Substance Time Frame Footnote(s) Registrant Response Guideline Requirement Number Study Title Protocol Target Submission Date Use Pattern Test Substance	er - SS-thy	Y  10/31/2013  A; B; C; II; K; U  TGAI  9 month(s)  4. Test organism must be most sensitive avian submit a protocol that includes an explanation  N.A.  vroid tox.  comparative thyroid toxicity study  Y  01/31/2015  A; B; C; II; K; U  TGAI	of the choice of test spe	cies.					

Uploaded Documents								
File Name	File Typ	oe .	MRID	CBI	Submitted Date			
20170817 DCPA Thyroid - PTU-Positive Control Report XJ05HV_cover memo signed.pdf	Genera	al Correspondences	NA	Y	08/17/2017			
100-TOX-063_XJ05HV Toxicology Report.pdf	Supplemental Study Data		50357301	No CBI	08/17/2017			
Submitter Information								
Submitter		Eileen Rodriguez						
Submitted Date		08/17/2017						
Additional Contact(s)		eileenr@amvac-chemical.com; briandeo@amvac-chemical.com						