

In the Matter Of:

DEPARTMENT of TOXIC SUBSTANCE CONTROL WORKSHOP

May 28, 2014

Reported By: CYNTHIA DAMMANN, CSR NO: 10610

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on 05/28/2014

<p>1 2 3 4 5 6 7 8 9 REPORTER'S TRANSCRIPT OF PROCEEDINGS 10 DEPARTMENT OF TOXIC SUBSTANCE CONTROL WORKSHOP 11 CHILDREN'S FOAM PADDED SLEEPING PRODUCTS 12 CONTAINING TDCPP BREAKOUT SESSION 13 WEDNESDAY, MAY 28, 2014 14 OAKLAND, CALIFORNIA 15 16 17 18 19 20 21 REPORTED BY: 22 CYNTHIA DAMMANN 23 CSR. NO: 10610 24 25</p>	<p>1 On the back of your agenda, there are three 2 very specific topics that we're hoping to get your 3 information on. The first topic is discussion of 4 the priority product description, and this handout 5 up front will be helpful for that part of a 6 discussion. Number two's topic is discussion of the 7 chemical of concern, and there are a number of 8 prompts related to that particular topic. Then 9 topic three, discussion of the market information. 10 So we have kind of a structured Q and A session to 11 follow, and then we'll open it up to any other 12 questions or comments you have related to this 13 product or the process or the chemical itself. So 14 that's the agenda. 15 We have real simple ground rules. This is 16 Cyndee, our court reporter, and it's really helpful 17 if you speak one at a time so she can record the 18 information as accurately as possible for us, and 19 when you do have a comment or a question, if you 20 could state your first name so that it will be going 21 into the record. We'll be giving her a copy of the 22 sign-up sheet, too. So it's important everyone sign 23 so she has who says what. 24 Respect all viewpoints. Pretty basic. But 25 when you get into a group of diverse opinions, it's</p>
<p>1 WEDNESDAY, MAY 28, 2014; 10:53 A.M. 2 OAKLAND, CALIFORNIA 3 4 MS. MAURER: Welcome everyone. My name is 5 Mary Sue Maurer, and I'm with the Department of 6 Toxic Substances Control. I'll be facilitating this 7 breakout session on children's foam padded sleeping 8 products, and with me today is Christine Papagni, 9 the senior environmental scientist that worked on 10 this product; Lisa Quagliaroli -- I know it -- a 11 supervisor and environmental scientist; and at the 12 end is Patrick Kerr, a toxicologist, and they'll be 13 answering any questions you have specifically 14 related to the product. 15 Let me go over quickly the agenda and what 16 we're going to be covering today. Christine is 17 going to be giving an overview, a slide show 18 presentation on the rationale for selecting this 19 particular product, about 20, 30 minutes, 20 somewhere -- 21 MS. PAPAGNI: About ten -- a ten-minute 22 presentation. 23 MS. MAURER: Ten-minute presentation. 24 Shortened. Then we're going to have a variety of 25 topics.</p>	<p>1 important to put that out on the table. 2 Then phones off. As a courtesy to our 3 presentation, if you would please not text or 4 respond to phone calls, if so, if you could step 5 outside. 6 Lastly, we have up here the e-mail address 7 for comments. We're asking people to submit them by 8 June 30th, any other ideas you have or if you want 9 to formalize them in a written submission. I think 10 that's about it. Anything else? 11 MS. PAPAGNI: Since we have such a small 12 group today, it would be nice if we could go around 13 and introduce ourselves and where the -- who 14 you're affiliated with. So if we could start over 15 here. 16 MS. WARMENDAM: Certainly. Good morning, 17 Mary-Ann Warmendam, the Clorox Company. 18 MR. BOUDRIMONT: I'm Adrien Boudrimont. I'm 19 from the Association of Bay Area Government. 20 MS. ALCAUTAR: Hi, good morning. I'm 21 Kathryn Alcautar. I'm with the Center for 22 Environmental Health and the Change Coalition for 23 Health. 24 MS. LEVIN: Hi. Judy Levin, Center for 25 Environmental Health.</p>

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<p>1 MS. YI-BALAN: I'm Simona Yi-Balan from the 2 Green Science Policy Institute. 3 MS. GIBBONS: Jennifer Gibbons, with the Toy 4 Industry Association. 5 MS. BOQUIS: Stephanie Boquis, Leap Frog. 6 MS. RAYMENT: Karen Rayment, Case Forensics 7 and a consultant to the Toy Industry. 8 MS. CHERN: Hi. I'm Stella Chern. I'm with 9 the Gymboree Corporation. 10 MS. PIDGEON: Hi. Elena Pidgeon, with Levi 11 Strauss & Company. 12 MS. GORDON: I'm Pam Gordon, with Tech 13 Forecasters, and I'm using this to take notes, not 14 to text. 15 MS. MAURER: Okay. And how is the volume in 16 here for you? 17 COURT REPORTER: It's good. Thank you. 18 MS. MAURER: We have one more. 19 MS. WOODHOUSE: Caryn Woodhouse, with the 20 Green Chemistry Clearinghouse. 21 MS. PAPAGNI: Thank you everybody for being 22 here today. I'm just going to give a brief 23 ten-minute presentation on the rationale for the 24 proposed priority product listing of children's foam 25 padded sleeping products with</p> <p style="text-align: right;">5</p>	<p>1 So the products that would be excluded are 2 already covered by certain flame retardant 3 requirements, such as mattresses, which are covered 4 by the Consumer Product Safety Commission 1632 or 5 1633 federal requirements; furniture, which is 6 covered by the California Technical Bulletin 117, 7 which has been updated recently, as of January 2014; 8 and then car seats, which are covered by the 9 requirements of 557 -- or 571, the flame -- the 10 Federal Manufacture -- Motor Vehicle Safety 11 Standards. Sorry. 12 So there's hazards that are associated with 13 TDCPP. For example, it's listed as a carcinogen by 14 the State of California under Prop 65. Different 15 research studies have shown end points of 16 developmental toxicity. There's been studies on 17 reproductive toxicity, especially regarding male 18 issues with male reproduction. There's been some 19 hormone disruption noted in a few emergent studies. 20 There's been issues with neurotoxicity and some end 21 points with kidney and liver damage, and we're 22 especially concerned because children and infants 23 are considered a sensitive subpopulation, as are 24 daycare workers. 25 So exposure considerations that we looked</p> <p style="text-align: right;">7</p>
<p>1 Tris(1,3-dichloro-2-propyl)phosphate, also known as 2 TDCPP or chlorinated Tris. Okay. 3 The topics that we're going to discuss in 4 this presentation are just a brief description of 5 the product and exclusions of this product, the 6 chemical of concern, which is chlorinated Tris, the 7 hazards associated with chlorinated Tris TDCPP, 8 exposure considerations that we looked at, 9 alternatives to this chemical or alternatives 10 altogether for chemicals in this product category, 11 and some market information. 12 So there's a variety of products that fall 13 under this product description. So here's just a 14 few pictorials. We have a playpen, a play yard, 15 bassinet. There's a number of products which are 16 considered sleeping products based on the 17 description we have listed, such as nap mats or mats 18 on cots, sleep positioners that babies sleep on, 19 co-sleepers, travel beds, the pads in portable 20 cribs or in playpens or play yards, also bassinet 21 foam. 22 Here's a just a pictorial of the chemical 23 itself, which is a chlorinated organophosphate and 24 an additive flame retardant in polyurethane foam. 25 Okay.</p> <p style="text-align: right;">6</p>	<p>1 at. The exposure route is through inhalation, 2 ingestion, or dermal contact, especially through 3 dust. TDCPP readily volatilizes out of polyurethane 4 foam. It's a semi-volatile compound and adheres to 5 dust. Because it's not chemically bonded to the 6 foam, it's readily -- and has been analyzed -- 7 throughout the world in dust in homes, offices, 8 daycare centers, on airplanes, et cetera. 9 There was a recent study of children with 10 hand wipe samples, and the children -- you know, they 11 did hand wipes of the children's hands, and TDCPP was 12 noted on their hands, greater -- in greater 13 quantities than after hand washing. So hand washing 14 is definitely encouraged with children to help 15 minimize exposure, especially because of 16 hand-to-mouth behavior. And it's also been found in 17 the environment in San Francisco bay waters, in 18 streams throughout the U.S., and in certain fish and 19 bird species. 20 Okay. So why are we looking at sleeping 21 products because we know flame retardants are in a 22 number of products? Number one, children are 23 considered a sensitive subpopulation. You know, 24 they're very -- you know, they're -- there's more 25 ex -- greater toxicological impact as they're</p> <p style="text-align: right;">8</p>

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<p>1 developing, and all of these products are widely 2 available to consumers in California. 3 We know that infants and children spend a lot 4 of hours sleeping, and they inhale dust while 5 sleeping. There's dermal absorption from the 6 products themselves. There's also exposure through 7 hand-to-mouth ingestion, and most importantly, there 8 are no regulatory requirements for these chemicals 9 to be in children's products, at least in the 10 sleeping products that are named. 11 So are there alternatives to TDCPP? The 12 first question we would encourage manufacturers to 13 ask are: Is this chemical necessary in the product? 14 There are no federal or California state 15 requirements for chemical flame retardants in any of 16 the children's sleeping products. If manufacturers 17 determine that they're necessary, we would ask that 18 they, you know, ask, "Are other chemical flame 19 retardants safer?" or could they meet whatever flame 20 retardant standards that they want in their products 21 by other measures, such as barrier fabric or other 22 types of foam rather than polyurethane foam chemical 23 flame retardants. 24 We, as a department, have a little bit of 25 marketing information on TDCPP and the sleeping</p> <p style="text-align: right;">9</p>	<p>1 question. Would you be commenting on the previous 2 workshop in Sacramento, what was learned or what was 3 gleaned from that? 4 MS. MAURER: We could, if you'd like. 5 MS. PAPAGNI: Yeah. 6 MS. PIDGEON: I'm here to learn, so I 7 just -- 8 MS. PAPAGNI: Is there a question that you 9 had in mind specifically? 10 MS. PIDGEON: No. Just a process question. 11 MS. PAPAGNI: Okay. So In terms of the 12 small group workshops and actually the main session 13 as well, we have -- as you know, we have a court 14 reporter here today, and there was a court reporter 15 in Sacramento. So for all the specific details 16 when that's posted -- that will be posted on our 17 website. 18 MS. PIDGEON: Oh, okay. 19 MS. PAPAGNI: In terms of TDCPP in 20 children's products, I would say the greatest 21 comments were regarding the flame retardant or 22 number of flame retardants that we're looking at and 23 the product category itself, whether we're only 24 going to stick to sleeping products, and there were 25 suggestions to look at other product categories.</p> <p style="text-align: right;">11</p>
<p>1 products. We know that TDCPP is a high production 2 volume chemical in the U.S. and as of 2006 between 3 10 and 50 million pounds per year were produced. As 4 of now, there's only one known U.S. manufacturer, 5 ICL, and -- but there are a number that we're aware 6 of in China, and we believe they're importing their 7 products into the U.S. and into California. 8 It's -- TDCPP is the most widely used flame 9 retardant in polyurethane foam currently, and 10 chlorinated flame retardants are widely used in 11 children's products, both in the U.S. and California. 12 Okay. So that's the end of the 13 presentation, and I'm going to pass it back over to 14 Mary Sue. 15 MS. MAURER: And I'm just going to 16 facilitate the discussion. Again, we have three 17 topics that we're going to try and stick to 18 initially and then open it up widely if you find 19 that we haven't presented a prompt that addresses 20 your concern or your comments. 21 So the first is the description of the 22 product itself and are the definition and terms 23 clear and unambiguous as to which related products 24 are included or excluded? You saw the list. Yes. 25 MS. PIDGEON: Hi. Elena. Just a process</p> <p style="text-align: right;">10</p>	<p>1 MS. PIDGEON: Thanks. 2 MS. WARMERDAM: I have a follow-up question 3 to that. Mary-Ann Warmerdam, with Clorox. With 4 respect to -- I'm not -- not to either agree or 5 disagree with the selection of this particular 6 product, but I'm just curious was there any 7 conversation in Sacramento or do you have any 8 further insight into the process by which this 9 selection was made in terms of this particular flame 10 retardant versus others and what the criteria might 11 have included and how future selections might follow 12 the same process or not? 13 MS. PAPAGNI: Okay. I can address that 14 briefly. So at least for the first set of proposed 15 products, they had to come from what we're calling 16 our "short list" of candidate chemicals of which 17 there's 153 that are both on an authoritative body 18 exposure list and an authoritative body hazard trait 19 list, and of those 153, there were between -- I'd 20 have -- I don't have the list with me, but there are 21 approximately 10 to 13 flame retardants that were 22 identified, only two of which we're aware of are in 23 polyurethane foam in children's sleeping products, 24 one of which is TDCPP, one of which is TCEP, and 25 it's -- it's unclear to us if TCEP is still being</p> <p style="text-align: right;">12</p>

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<p>1 used in polyurethane foam. 2 So we are taking -- so whatever comments you 3 have today, we're open to suggestions. That's why 4 we're having these public workshops. Did that -- 5 MS. WARMERDAM: I understand the -- 6 MS. PAPAGNI: Okay. 7 MS. WARMERDAM: -- limitations around the 8 more modest 150 or so chemistries. I was really 9 trying to get some visibility into what was the 10 thinking that prioritized those chemicals and 11 created the resulting list of three priority 12 products. 13 MS. PAPAGNI: Okay. So there were a number 14 of -- for this first around -- and it will be 15 different in the future, but for the first round of 16 proposed priority products, there were a number of 17 nominations from Boards Department and organizations 18 within Cal EPA and other federal agencies, NGOs and 19 industry, both solicited and unsolicited. 20 So of all the chemical and product 21 nominations that our department received, we 22 evaluated each of those chemical product categories 23 to determine if it was on our short list, one -- if 24 the -- number one, the chemical was actually in the 25 product that they're saying it's in, if it is in the</p> <p style="text-align: right;">13</p>	<p>1 MS. MAURER: Oh, I'm sorry. Go ahead. 2 MS. RAYMENT: I'm Karen from Case Forensics. 3 I just wanted -- this is probably a 9-year-old 4 question at this point in the process. But were 5 there any weighted -- weighted marketing or 6 litigation outcome studies that factored in, for 7 instance, if the toxicity of a certain chemical that 8 you view as on your short list, is there some bulk 9 data that you have from -- kind of prove in tort law 10 or environmental chemical studies, and how is that 11 weighted in the decision? 12 MS. PAPAGNI: Right. And that's a good 13 question. And for the first set of priority 14 products, we did not use any sort of weight of 15 evidence, and I know that's been a comment that 16 we've received all throughout the process while the 17 regulations were being drafted. And our department 18 specifically wanted to have some flexibility in 19 choosing. So we did look at legal issues, but there 20 was no specific weight of evidence approach. 21 MS. RAYMENT: Sorry if that was redundant. 22 Thank you. 23 MS. PAPAGNI: No, that's okay. 24 MS. LEVIN: Judy Levin, with the Center for 25 Environmental Health. Thank you. I'm not sure if</p> <p style="text-align: right;">15</p>
<p>1 product, is it one of the 153 chemicals on our short 2 list, did it meet the key prioritization principles 3 which are: There's a potential for exposure to the 4 chemical in the product and there's a potential for 5 significant or widespread adverse impacts from that 6 chemical product combination. 7 Then we essentially use the regs as our 8 criteria. So we evaluated the hazard traits, if 9 they are -- if they met -- you know, if they're on 10 the short list, they meet the key prioritization 11 principles, then we essentially evaluated the hazard 12 traits, the exposure potential, the routes of 13 exposure, the sig -- you know, the significance of 14 the different hazard traits and essentially narrowed 15 from there. 16 MS. WARMERDAM: Thank you. 17 MS. PAPAGNI: Sure. 18 MS. MAURER: And we'd be happy to have you 19 talk to Carl or Andre for -- if you have follow-up 20 questions about the process, getting to this point. 21 MS. WAMERDAM: Thank you. 22 MS. MAURER: So on to number 2. Are 23 there -- 24 MS. Papagni: We haven't finished number 1 25 yet.</p> <p style="text-align: right;">14</p>	<p>1 this is exactly the right place to say it, so if 2 it's not, I'll hold it for later. But I had two 3 questions on that. 4 I think the definition is clear about what 5 products it covers. I did want to ask, though, 6 given that the bureau exempted 17 children's 7 products from having to meet TB 117 2013, were those 8 considered along with these because there's not 9 overlap necessarily? Some of the products are 10 overlapped with the bureau's exemptions; some are 11 not. 12 And it seems to me if those products also 13 are exposing kids to these chemicals, are not 14 required by any regulatory means to have to meet the 15 standard, why wouldn't they be included under 16 product definition? And I guess I would just be 17 encouraging, again given limited time and the 18 resources, and the bureau has been very clear these 19 are exempted, what would be the downside to 20 including them in these product categories? That's 21 one question. 22 The other question is do you actually have a 23 list of the 13 flame retardants that are used -- I 24 think you said 10 to 13 that might be on the short 25 list. Is that right?</p> <p style="text-align: right;">16</p>

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<p>1 MS. PAPAGNI: Correct. 2 MS. LEVIN: I briefly looked at it. I found 3 nine. So I must be missing some. And I'm also 4 wondering if you double checked -- you said there 5 were two only that were used with polyurethane foam, 6 and I'm wondering if that was checked by Glen Schmir 7 (spelled phonetically), as a trade with DTSC, or 8 Heather Stapleton, out of Duke University, who does 9 just an inordinate amount of product testing for 10 children's products. 11 MS. PAPAGNI: Okay. So let me -- Lisa, did 12 you want to answer the first question, or would you 13 like me to answer it? 14 MS. QUAGLIAROLI: The exempt products? 15 MS. PAPAGNI: Yes. 16 MS. QUAGLIAROLI: I'm not really even sure 17 what those are. 18 MS. PAPAGNI: Okay. So at least for the 19 first set of proposed products, we did look at 20 different children's products that have foam that 21 have flame retardants, and there was an intention -- 22 number one, there's the exposure issue. So there's 23 a greater amount of exposure for children who are 24 sleeping because they sleep for a greater amount of 25 time than, for example, on a diaper changing mat.</p>	<p>1 so many polyurethane products, right? They're 2 bumpered all over the place. Their life is full of 3 polyurethane foam and so looking at sleeping I 4 understand makes sense because they're on that a 5 lot. But they're also exposed in daycare to all 6 these other products and at home to all these other 7 products and so -- 8 MS. PAPAGNI: Part of the intention was also 9 because there are certain products, such as car 10 seats, that do have a flame retardant standard in 11 which they have to meet. 12 MS. LEVIN: Right. 13 MS. PAPAGNI: And not that they have to put 14 a chemical flame retardant in, but unfortunately 15 that's often how they meet that standard. So if we 16 just named, for example, "children's foam padded 17 products," then it becomes a little more complicated 18 regarding the car seats. 19 MS. LEVIN: Right. Car seats would have to 20 be exempted because of their unique status, but 21 other exempted products? 22 MS. PAPAGNI: So -- say that again. 23 MS. LEVIN: But the other exempted products 24 like your -- 25 MS. ALCAUTAR: I have a list of them. If</p>
<p>1 And for the first set of products, they 2 wanted the definition to be really clear and so 3 it -- because there's so many products that fall 4 under "sleeping products" as it is, that we are 5 getting comments from some folks that think the 6 definition isn't clear, and then -- so we're not 7 opposed to adding other children's products. We may 8 take that under consideration. But then it becomes: 9 Are those different products or is it the same 10 product? 11 MS. LEVIN: You mean different than these? 12 MS. PAPAGNI: Different than -- so like a 13 diaper changing mat technically isn't a sleeping 14 product. 15 MS. LEVIN: Right. 16 MS. PAPAGNI: So that would -- that could 17 potentially be a fourth product category. Does 18 that -- 19 MS. LEVIN: Or if you classified it as 20 children's foam products. You could change the 21 title. 22 MS. PAPAGNI: Right. 23 MS. LEVIN: It could be a broader umbrella 24 for -- one of the things -- and I know you know 25 this, but I'll say it. I mean, kids are exposed to</p>	<p>1 you'd like, I can read them. 2 MS. PAPAGNI: Okay, thanks. 3 MS. ALCAUTAR: There's strollers, nursing 4 pads and infant carriers, infant walkers, booster 5 seats, which might be considered car seats, so -- 6 infant seats, changing pads, floor play mats, high 7 chairs, high chair pads, infant swings, bassinets, 8 infant bouncers, nursing pads, play yards, playpen 9 side pads, and portable hook-on chairs. 10 MS. LEVIN: So there's some overlap. 11 MS. PAPAGNI: Right. There is some overlap, 12 and we do actually have that list. But I would 13 encourage you to provide that as a written comment. 14 MS. ALCAUTAR: And just to add to the 15 comment, you know -- and I understand the point 16 about the exposure in the sleeping, the long-term 17 exposure, but there was a recent study done by Isa 18 Brattman, out of UC Berkeley, that found that in 19 the -- they tested for child -- daycare centers, and 20 a hundred percent of the daycare centers had flame 21 retardants in them. 22 So, I mean, this goes to the point of, you 23 know, because of the way TDCPP works, you know, it 24 does volatilize. It doesn't necessarily stay in the 25 product or even just in the place where the child is</p>

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<p>1 putting the head down. I mean, I think that's a 2 more direct route. But that chemical is then 3 collected, you know. It passes out into the dust 4 and spreads and is held in whatever vicinity the -- 5 if, you know, the dust isn't cleaned up. 6 So, I mean, I think in terms of DTSC's 7 consideration for this product category, given the 8 vulnerability of children as a unique subpopulation, 9 you know, I said it before, I'll say it again here 10 just to capture it again, in fact, both our 11 organization and our coalition of 35 organizations 12 across the state are really pushing DTSC to consider 13 broadening that category and broadening the 14 chemicals, as you mentioned. 15 Judy said we had 13 chemicals, and I think 16 your list is 10. So we have nine -- 17 MS. LEVIN: We don't know all of them. 18 MS. PAPAGNI: So which -- so my question is 19 which flame retardants are you suggesting we look 20 at? 21 MS. ALCAUTAR: Well, there -- we did some 22 testing at our organization. We have a report I can 23 share with you. It's online, and I -- I'll look in 24 my comments. 25 MS. LEVIN: I think -- given the nature of</p> <p style="text-align: right;">21</p>	<p>1 list, only two of which I'm aware of are in foam. 2 MS. LEVIN: Right. 3 MS. PAPAGNI: So your question was have I 4 double checked that with Heather Stapleton or 5 Murdo -- 6 MS. LEVIN: Right. 7 MS. PAPAGNI: And I need to do that. 8 MS. LEVIN: That would be great. 9 MS. GIBBONS: Jennifer, with the Toy 10 Industry. Just a process question. Process-wise, 11 can DTSC list multiple chemicals with a single 12 product, or is that supposed to be addressed during 13 the alternative assessment phase? 14 MS. PAPAGNI: I would suggest you provide 15 that as a written comment only because I'm more of a 16 scientist than a regulator. 17 MS. GIBBONS: It's not a comment. It's a 18 question. 19 MS. PAPAGNI: I know it's a question, but -- 20 so I'm suggesting you ask that as a question because 21 technically I believe we can list more than one 22 chemical as a product, but I'm not the expert on 23 that. So I don't want to give you misinformation. 24 So that's why I'm suggesting you ask that question, 25 you know, through the e-mail so you get the correct</p> <p style="text-align: right;">23</p>
<p>1 the product and that flame retardants aren't 2 required or needed to meet any fire safety benefit, 3 I think we'd suggest that it be all the priority 4 flame retardants you have on your list. Like why, 5 you know, restrict that and then go to regrettable 6 substitutions as we know? I mean -- 7 MS. PAPAGNI: And I understand that. At 8 least for the first round, the regulations 9 themselves restrict us to, quote, "the short list" 10 of candidate chemicals, and several of the flame 11 retardants that are in use, for example, TCPP, is on 12 our long list. 13 MS. LEVIN: Oh, m-hm. 14 MS. PAPAGNI: So it's not that we're not 15 looking at them, but some of the flame retardants, 16 just based on the nature of the way the regulation 17 was drafted, we can't look at them until after the 18 first set of products. 19 MS. LEVIN: Right. But I think there's 20 still nine on the short list, or you're saying more 21 than that? And we don't think they're used in foam, 22 but are we sure? 23 MS. PAPAGNI: So if you could provide to us 24 that list, that would be great because there's 10 to 25 13 flame retardants that I identified on our short</p> <p style="text-align: right;">22</p>	<p>1 answer. 2 I believe that yes, we can, but I'm not -- 3 you know, I don't want to stick my foot in it. I'm 4 not positive. 5 MS. ALCAUTAR: Kathryn with CEH and Change. 6 We've been involved in these regulations for my 7 years now, and it's my understanding that yes -- I 8 mean, I'm not DTSC. 9 MS. PAPAGNI: Right. 10 MS. ALCAUTAR: But my understanding is yes, 11 and that's why we've been pushing for it because we 12 believe strongly that it isn't within DTSC's 13 organization. 14 MS. PAPAGNI: And that's my understanding as 15 well, but I'm not the person who makes those calls. 16 That's why I want to ensure you get the correct 17 answer. 18 MS. MAURER: Okay. Let's see if we can move 19 down. The next topic is the chemical, et cetera. 20 So the GPS GSI brick codes. Any comments or 21 questions with characterizing the product in that? 22 UNIDENTIFIED SPEAKER: Can you just say what 23 that means? 24 MS. PAPAGNI: So in the business industry -- 25 again not my field, but what I'm told and -- is that</p> <p style="text-align: right;">24</p>

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<p>1 it's common to use these GS1 brick codes and so for 2 methylene chloride in paint strippers, there's a 3 clear identifiable -- there's like two or three of 4 them that industry uses to classify methylene 5 chloride in paint strippers -- or paint strippers 6 per se, the product, not necessarily the product 7 chemical combination. 8 So with the children's sleeping products, 9 there are some GS1 brick codes we could use. I 10 believe there's a code for playpens, but there's not 11 necessarily a code for each sleeping product and so 12 that's why we chose, at least initially, not to use 13 those codes and to write descriptions, which we 14 passed out, of what's covered and what's not 15 covered. But some people are still pushing us to 16 use brick codes. So we may include some brick codes 17 for those who that's what they're, you know, used to 18 looking at essentially. 19 MS. MAURER: Anything else on number 2? 20 Okay. And number 3, are there other 21 considerations -- 22 MS. PIDGEON: I -- 23 MS. MAURER: Oh, go ahead. 24 MS. PIDGEON: Elena. Just to comment that 25 it might help to standardize with other states, like</p> <p style="text-align: right;">25</p>	<p>1 e-mail. We've been provided some already, and 2 they'll likely be added in the descriptions. 3 MS. LEVIN: I'm sorry. I never heard that 4 term. So this is a learning experience. Can you 5 say a little bit more like how that is helpful or -- 6 I've never heard of it. 7 MS. PAPAGNI: Patrick, can you address that? 8 MR. KERR: You know, I could. You may be 9 the best person to address this. There are product 10 category codes that organizations use to standardize 11 the way they describe their products. So if we use 12 a number code or a number versus letter code, as 13 some standards adopt, to say this is a children's 14 foam pad sleeping product versus this is a foam mat 15 you stand on while you're doing your dishes or 16 something like that or some other product category. 17 I don't think there are -- there are 18 standards that the industry has that are national, 19 and there are some that are international. I don't 20 think there are regulatory standards that say you 21 must use this code for this type of product. So 22 it's sort of an industry -- yeah. 23 MS. PIDGEON: Elena. You can just Google 24 it, and it will -- the website will come up. 25 MS. PAPAGNI: Yes.</p> <p style="text-align: right;">27</p>
<p>1 Washington state, because if people are reporting or 2 having activities, that is by brick. 3 MS. PAPAGNI: Right. They use the brick 4 codes as well. 5 MS. PIDGEON: Yeah. 6 MS. WARMERDAM: As well -- Mary-Ann with 7 Clorox. As well as internationally, right? But I 8 think that's one of the concerns of part of the 9 regulated community, and I appreciate how difficult 10 this is for you. But as part of the regulated 11 community, having some standardization or 12 harmonization -- and you've heard it before. 13 MS. PAPAGNI: Right. 14 MS. WARMERDAM: It is really helpful for us 15 in getting our arms around how does our product 16 portfolio play in the space as it were? 17 MR. KERR: I know we had the brick codes and 18 the verbiage that describes the product are not 19 mutually exclusive. They can supplement one 20 another. So if we can adopt a different method with 21 brick codes, we can still leave in descriptors that 22 broaden beyond the brick codes. 23 MS. PAPAGNI: Thank you, Pat. So if there 24 are brick codes that people are aware of and would 25 suggest we use, please provide those through the</p> <p style="text-align: right;">26</p>	<p>1 UNIDENTIFIED SPEAKER: Some of those are for 2 economic purposes, for gross metric -- gross 3 domestic product counts for export into the 4 international realm, things like that. So it's more 5 of a commerce count and survey of what kinds of 6 things people are doing. 7 MS. LEVIN: Thank you. 8 MS. MAURER: Anything else on brick? All 9 right. So then number 3. Are there other 10 considerations for this product description that we 11 should know about? So, for example, you already 12 brought some up, but if you'd like to add. 13 MS. ALCAUTAR: Yeah. I would like to add 14 because we have done -- at CEH, we did do testing of 15 a variety of children's products, including 16 children's changing pads, walkers, child-sized 17 furniture, nursing rockers, and nap mats. So even 18 some of those -- the child-sized furniture, it's our 19 understanding that parents do allow their 20 children -- you know, children fall asleep wherever, 21 and you're not going to move them once they fall 22 asleep. I have a 2-year-old. Believe me, you're 23 not. 24 A nursing rocker is another one. An Infant 25 is even more vulnerable than the young children.</p> <p style="text-align: right;">28</p>

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<p>1 You know, they'll fall asleep in nursing rockers. I 2 remember when my daughter was a baby, I just stayed 3 in there with the rocker with her until she -- you 4 know, I didn't want to move her. 5 So there are other products that are made 6 for children that aren't necessarily meant for 7 sleeping but where children actually do sleep. I 8 know that -- a colleague of mine shared with me that 9 yoga mats -- or some sort of form of yoga mats that 10 parents move to let their children sleep. 11 So I know that you have to kind of describe 12 the category, and again this is why we strongly 13 believe that this category, given again the unique 14 nature of children and their vulnerability, that we 15 feel it should be expanded greatly because of that. 16 So we found a number of flame retardants in 17 those -- in those products, especially in children's 18 mats and the child-sized furniture. Many of these 19 products were commonly treated with TDCPP, but even 20 more of these products were treated with other flame 21 retardant chemicals, including TCCP which you 22 mentioned and FireMaster 50 which, as I'm sure most 23 of you know, is a chemical compound including a list 24 of chemicals, but TBB and TPP in particular, it's 25 our understanding that are already on DTSC's</p> <p style="text-align: right;">29</p>	<p>1 a foam standard. 2 MS. PAPAGNI: So for the first set of 3 proposed products, our department was trying to keep 4 the scope manageable, and while we were 5 investigating this -- it was prior to the update of 6 TB 117. So previously, they didn't have the 7 smoldering test. It was the open flame test, and 8 usually that was met with chemical flame 9 retardants. 10 MS. YI-BALAN: I think children's products 11 were part of that, too. 12 MS. PAPAGNI: So -- well, the children's 13 products -- most of the children's -- several of the 14 children's products were exempted previously before 15 the update, including most of the sleeping products 16 were exempted and now there's additional exemptions. 17 So it -- I didn't personally make the call. 18 MS. YI-BALAN: So is there a possibility to 19 change that or add -- 20 MS. PAPAGNI: So it's not that we're not 21 looking at furniture or other product categories, 22 but at least for the first product they were trying 23 to keep the scope manageable. 24 So if you make the -- you know, if you 25 recommend we expand the -- either the category, you</p> <p style="text-align: right;">31</p>
<p>1 candidate chemical list. 2 So again those are just some, and, you know, 3 we have to check our list again. But this was just 4 per my comments that I -- when I testified at a 5 hearing last week or two weeks ago now that our 6 quick check, you know, found that those were -- 7 there was some overlap there. 8 So, you know, just to have DTSC strongly 9 consider expanding this for many reasons. Again, 10 children don't always sleep just in places they're 11 supposed to. 12 MS. YI-BALAN: Simona Yi-Balan, from Green 13 Science Policy Institute. To add onto that, could 14 you please clarify again or explain a little bit 15 more why furniture, for instance, wasn't chosen? 16 Because even according to your product descriptions, 17 it seems like furniture foam is a huge source of 18 TDCPP exposure to children and so they come in 19 contact with the dust that contains flame 20 retardants. I think the main source of that in the 21 home is going to be furniture, not children's 22 products. 23 So that seems like it would be the main 24 thing to target to reduce exposure, and I know that 25 you said they're covered by TB 117 2013, but that's</p> <p style="text-align: right;">30</p>	<p>1 know, the product itself, or the chemicals involved, 2 I would recommend you submit those in writing 3 through our website. 4 MR. KERR: And I would add to that. I 5 understand your question identifies a bit of a data 6 gap that you're saying that maybe there is more 7 exposure from all the foam in the furniture in the 8 house versus the sleeping mat. There are probably 9 ways to model that, and there may be ways that 10 somebody has measured that. 11 If you were to make that recommendation, if 12 you were to include some sort of data that would 13 indicate here's how we - why we think the couch or 14 the sofa and the chair are more responsible for the 15 exposure versus the sleeping product, that would 16 help. Or you might find in your own research that's 17 not the case, that the primary source is the 18 sleeping product. I don't know that answer. 19 Somebody may. 20 MS. YI-BALAN: Well, on your priority 21 product profile description it says that the DTSC 22 estimates that TDCPP in furniture alone exposes 23 adults to ADI and children to ADI. So that seems 24 pretty interesting. 25 MR. KERR: Right.</p> <p style="text-align: right;">32</p>

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<p>1 MS. YI-BALAN: But there's no mention in 2 here, in your prior description of exposure from 3 children's products, which is the product you're 4 targeting. So I thought that was a little -- 5 MR. KERR: As I said, that's a very hard 6 piece of data to get. 7 MS. MAURER: Okay. All right. Shall we 8 move to topic 2? We touched on it. Chemical of 9 concern and alternatives. Go ahead. First -- 10 MS. ALCAUTAR: Can I ask a question first, 11 going back to it? Maybe this was a question that I 12 didn't quite get to answer or missed out at the 13 first session. 14 But in terms of process, so it's my 15 understanding -- I've heard again and again 16 representatives from DTSC state that, you know, 17 these are not set in stone, that there's going to be 18 consideration, and, you know, so we are planning to 19 submit our comments and we'll be sure to try to give 20 you as much data as we have. 21 But what is the process -- at what point 22 will there be adjustments? I mean, you know, it 23 seems a little interesting to me that the DTSC has 24 already jumped and made adjustments for the foam 25 man -- to address the foam manufacturers' concerns</p> <p style="text-align: right;">33</p>	<p>1 really consider the information we received from the 2 workshops. And since this is really the only second 3 workshop, we haven't really received anything in 4 writing from anybody. 5 We've heard, you know, a lot of very 6 consistent term people. We know what people's 7 concerns are generally. You know, this isn't really 8 new, you know. We've kind of heard this already. 9 So we see this path opening up. 10 And what the end result is going to be, I 11 can't guarantee that, but after these workshops, 12 after we gather up as much information as we can 13 gather, we're going to go into another phase of 14 discussions and then start developing the 15 regulation concept or at least, you know, clarifying 16 those. 17 And I'm not really sure what the part of the 18 public process will be in between the end of the 19 comment period -- from the informal comment period 20 from these workshops and the beginning of the 21 regulatory process. It's going to be six to eight 22 months. So I would imagine there's going to be 23 communication back and forth, but since Carl and 24 Meredith and Andre are primarily more responsible 25 for it, I don't want to make any commitments for</p> <p style="text-align: right;">35</p>
<p>1 and yet haven't addressed the concerns by the public 2 in terms of, you know, expanding or clarifying some 3 concerns that we're raising. 4 So it's a little interesting to me that 5 there -- I'm just -- you know, I guess that's why 6 I'm asking the process question because that seemed 7 to be addressed right away. But, you know, you're 8 asking us to submit comments formally, et cetera. 9 MS. PAPAGNI: Right. 10 MS. ALCAUTAR: So if you could clarify that 11 process, it would be really helpful. 12 MS. QUAGLIAROLI: You know, I think with the 13 spray foam -- and I wasn't a part of that, but I'm 14 just going to say that there -- it was pretty clear 15 that I think we had intentions and had not made 16 something as clear as we could have and so that was 17 more of a clarification that changed direction. 18 MS. PAPAGNI: That's my understanding, but 19 I'm not involved with the -- 20 MS. QUAGLIAROLI: I think since these are 21 the first three workshops we've ever done, we 22 weren't certain what we were going to be getting 23 back, and we kind of tried to space them closely 24 enough, with enough time prior to any development of 25 a regulation package so that we could adequately</p> <p style="text-align: right;">34</p>	<p>1 them. So does that help? 2 MS. ALCAUTAR: That's helpful. Remind me 3 again what the timeline is then for the -- you're 4 going to take the public comment and then you're 5 going to -- 6 MS. QUAGLIAROLI: We were -- 7 MS. ALCAUTAR: -- make any revisions and 8 then put them out? 9 MS. QUAGLIAROLI: We tentatively have 10 October picked as kind of the kickoff for getting 11 the regulations noticed, but a lot of work has to go 12 out in between now and then, whether all three are 13 going to be rolled out at once, whether it's going 14 to be staggered, whether -- it all depends if we can 15 get our data system up and running. There's a lot 16 of building that we're doing right now. 17 MS. ALCAUTAR: Thank you. 18 MS. MAURER: Okay. So back to chemical of 19 concern and alternatives. This is -- I think there 20 were some suggestions already put forward on the 21 candidate chemical. Any acceptable alternatives to 22 this particular priority product and, if so, are 23 they commercially available, do they require use of 24 a replacement chemical, are there known hazards 25 associated with this one, and are there any</p> <p style="text-align: right;">36</p>

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<p>1 potential replacement chemicals? This is where we 2 had a lot of discussion so far on the chemicals and 3 expanding that, but -- 4 MS. WARMERDAM: I have kind of a background 5 question. Mary-Ann. With respect to alternatives, 6 if you will, the good news about the chemistries 7 that we currently have in market channels is we tend 8 to know a good deal about them, or we know something 9 about them. 10 So to the extent that we look at 11 alternatives, is the department considering what the 12 data criteria to support those alternatives might be 13 to avoid regrettable substitutions and so that we 14 don't spend a lot of time and energy going down a 15 path that doesn't prove to be fruitful? 16 MR. KERR: I'll start with that because I 17 wanted to follow up with something that Kathryn said 18 about you have a data set that you've looked at in 19 daycare centers. You've said they've got a hundred 20 percent of -- 21 MS. ALCAUTAR: It wasn't ours. It was a UC 22 Berkeley -- 23 MR. KERR: Okay. I was going to follow up 24 with that because I know there's a lot of public 25 information about that and I wasn't sure if you were</p> <p style="text-align: right;">37</p>	<p>1 you're aware, hopefully in December, which may 2 additionally answer some of your questions. 3 MS. MAURER: We're hopeful. Yes. 4 MS. LEVIN: Judy. I have a question. So 5 would DTSC look -- so I think this goes back to 6 Simona's question earlier around function and 7 whether if the function is not necessary. 8 So I have not seen any fire safety data that 9 supports the need for fire retardants in children's 10 products. They've never been listed as a source of 11 combustion. They're not the first source ignited. 12 So I'm wondering how you -- are you looking at that? 13 Are you considering that? 14 MS. PAPAGNI: Yes. We are aware of that, 15 and that is something that would be considered. If 16 a manufacturer got into the alternatives analysis 17 phase, that would absolutely be considered. 18 MS. LEVIN: So you could say why are you 19 needing to put a replacement chemical in? Is 20 that -- is that right or -- 21 MS. PAPAGNI: It wouldn't be phrased quite 22 like that. 23 MS. LEVIN: I'm sure. 24 MS. PAPAGNI: But essentially, yes. 25 MS. LEVIN: Because what we've definitely</p> <p style="text-align: right;">39</p>
<p>1 referring to something that had been published in 2 the peer review literature or not. 3 And to start answering your question, you 4 won't find a lot of guidance on what information we 5 should use to make scientific assessments, but there 6 are generally accepted principles for making 7 scientific assessments. And basically the strongest 8 evidence that we can use comes from peer review 9 scientific literature. 10 So when you say what can we use, my first 11 step in reviewing anything is going to be to go to 12 the peer review literature. You may not -- because 13 of your product channels, they move faster than the 14 peer review process does. That's not the case with 15 TDCPP. We've got a lot of information about it. 16 But for other agents and for other substitutions, 17 you'll have internal reports, you'll have your own 18 toxicity testing that you haven't put out for peer 19 review yet or you may never want to publish because 20 it's something that's proprietary. 21 But peer review literature is going to be my 22 first source. So if there's any way you can provide 23 that, that would help. 24 MS. PAPAGNI: And then our department will 25 be putting out alternative analysis guidance, as</p> <p style="text-align: right;">38</p>	<p>1 seen in our cities is TDCPP was no longer in most 2 children's products that we tested and FireMaster 3 550 was very much in children's products as well as 4 triphenyl phosphate and so it is a regrettable 5 substitution that DTSC is desperately trying to 6 move away from, that we would be pushing people 7 towards if we don't have a more comprehensive 8 approach to this. So I'd encourage you guys to 9 consider that. 10 MS. PAPAGNI: And we're well aware of those 11 compounds as well in addition to FireMaster 550 and 12 what's in that. So -- yes. 13 MS. YI-BALAN: I'm just curious -- Simona. 14 I'm just curious in terms of process. Under which 15 circumstances would you consider the function and 16 tell the manufacturers, well, you might not need it 17 anyway and under which circumstances would you 18 accept a replacement chemical? 19 MS. PAPAGNI: And -- and I'm really not 20 trying to dodge your question, and I am going to. 21 But essentially that will be addressed in 22 alternatives analysis, and our guidance isn't out 23 yet. So when the guidance is out, there will 24 obviously be more workshops to discuss the guidance, 25 and that would be completely the best time to ask</p> <p style="text-align: right;">40</p>

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<p>1 that question.</p> <p>2 So I hate to give that to you as an answer,</p> <p>3 but since the guidance isn't out, I can't answer</p> <p>4 that -- in that amount of detail</p> <p>5 MS. YI-BALAN: Can I ask a follow-up</p> <p>6 question?</p> <p>7 MS. PAPAGNI: Yeah.</p> <p>8 MS. YI-BALAN: In the previous -- and</p> <p>9 there's a phone call where Carl talked to Olivia</p> <p>10 about the process, and if I understood him</p> <p>11 correctly, he was saying that if the replacement</p> <p>12 chemical is from your list, then manufacturers have</p> <p>13 to put up a full testament but if they're choosing</p> <p>14 to replace it with chemical that is off your list,</p> <p>15 then they don't really have to provide that much</p> <p>16 info and they can basically just use it pretty much.</p> <p>17 Is that correct?</p> <p>18 MS. PAPAGNI: This is where the regulation</p> <p>19 is a little interesting, to say the least, because</p> <p>20 there are options to an alternatives analysis in --</p> <p>21 so, for example, you could submit a chemical removal</p> <p>22 notification and provide a certificate with the</p> <p>23 analysis that shows that you just simply removed</p> <p>24 TDCPP from your product and you're no longer using</p> <p>25 it. At that point, you wouldn't have to go onto the</p> <p style="text-align: right;">41</p>	<p>1 candidate chemical flame retardant, especially if</p> <p>2 there's no regulatory requirement or, you know --</p> <p>3 according to certain, you know, research benefit for</p> <p>4 actual flame retardancy.</p> <p>5 MS. ALCAUTAR: So this -- I know I keep</p> <p>6 bringing it up, but this kind of gets back to having</p> <p>7 worked in -- on these regulations now for six years</p> <p>8 or -- I can't remember now how long it's been. The</p> <p>9 point of this -- and I know Debbie talks about it</p> <p>10 all the time -- is: Is it necessary, I mean, and --</p> <p>11 I think in this category of projects that you have</p> <p>12 chosen specifically, and we would say in a broader</p> <p>13 category of products we'd like to include all</p> <p>14 children's products, to be honest.</p> <p>15 I think that there's -- should -- that</p> <p>16 should be considered. But this is a case where --</p> <p>17 you know, per Judy's comments, you know, aside from</p> <p>18 the exemptions that are specifically called out, you</p> <p>19 know, the car seats, the mattresses -- and I can't</p> <p>20 remember the third category -- you know, the</p> <p>21 scientific evidence has demonstrated that there's no</p> <p>22 additional fire safety, there should be no flame</p> <p>23 retardant chemicals given the health effects that --</p> <p>24 the potential health effects to children.</p> <p>25 This is an area where there should be -- you</p> <p style="text-align: right;">43</p>
<p>1 alternatives analysis phase because you don't have</p> <p>2 TDCPP in your product anymore.</p> <p>3 So also in the regulation there is a</p> <p>4 chemical replacement notification, and there is an</p> <p>5 option for them to replace -- and this is where it's</p> <p>6 unfortunate and confusing, but they do actually have</p> <p>7 the option to replace a chemical with another</p> <p>8 chemical that's already used in industry for that</p> <p>9 particular function.</p> <p>10 MS. LEVIN: So TDCPP to FireMaster 550 would</p> <p>11 be an acceptable switch?</p> <p>12 MS. PAPAGNI: I wouldn't use the word</p> <p>13 "acceptable," but it's legal. It could be a legal</p> <p>14 switch, but the chemicals in FireMaster 550 are on</p> <p>15 the candidate chemical list.</p> <p>16 MS. LEVIN: On the short list.</p> <p>17 MS. YI-BALAN: On the short list.</p> <p>18 MS. PAPAGNI: They're on the long list,</p> <p>19 unfortunately. It doesn't mean that we're not</p> <p>20 looking at them, and it doesn't mean that they might</p> <p>21 not be listed as a product -- you know, chemical</p> <p>22 product combination in the future.</p> <p>23 So that's where it's up to a manufacturer to</p> <p>24 decide is it a wise decision to switch out a flame</p> <p>25 retardant, you know, chlorinated Tris, for another</p> <p style="text-align: right;">42</p>	<p>1 know, it's not necessary. This is the point of the</p> <p>2 program. This is the -- and this is why we're -- in</p> <p>3 some ways we're glad we're getting to these</p> <p>4 conversations now.</p> <p>5 These -- these chemicals, flame retardant</p> <p>6 chemicals in general, are not necessary in</p> <p>7 children's products aside from the exemptions that</p> <p>8 you've already outlined. So therefore we would</p> <p>9 strongly encourage the department to not waste the</p> <p>10 time, to not waste the resources -- limited</p> <p>11 resources that we know -- and we've been advocating</p> <p>12 for a long time to get you more resources -- you</p> <p>13 know, to not waste that on -- by not expanding both</p> <p>14 the chemicals that you are considering in this</p> <p>15 product as well as the category itself because we're</p> <p>16 going to go down that road and we're going to be</p> <p>17 back in three years, and in the meantime -- I think</p> <p>18 my estimates were, you know, 500,000 babies are born</p> <p>19 every year just in California.</p> <p>20 We know these products are sold across the</p> <p>21 country. You know, it's been -- 3 million babies</p> <p>22 now have been impacted since these regulations</p> <p>23 were -- well, since the statute was passed and so,</p> <p>24 you know, we're looking at long-term -- you know,</p> <p>25 these health effects can cause long-term -- have</p> <p style="text-align: right;">44</p>

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<p>1 long-term repercussions. 2 So again that's just where these comments 3 are coming from in terms of, you know, really 4 pushing the department to both expand both the 5 chemicals considered and the products considered. 6 So thank you so much. 7 MS. MAURER: Are there any comments on this 8 side? We haven't heard from anyone over here for a 9 while. Any thoughts? 10 MS. BOQUIS: I have a comment. In regards 11 to -- oh, my name is Stephanie, from Leap Frog. In 12 regards to the chemical of concern and alternatives, 13 the regulatory process says -- like, for instance, 14 additional information to consumers. So you want 15 another label? Is that what we're trying to say? 16 Because, for instance, what if we have a 17 design that it's important to have X, Y, Z chemical, 18 so we can't change that chemical because it affects 19 the whole product that we have? Is that going to be 20 fine, something that you thought about? Like if you 21 just have a sticker saying it has this? 22 MS. PAPAGNI: Okay. So you're talking once 23 you get to a regulatory response, and that could be 24 a potential regulatory response. 25 MS. BOQUIS: Okay.</p> <p style="text-align: right;">45</p>	<p>1 go to the third topic. This is our last topic. 2 Then we have a catch-all at the end for any other 3 final comments, thoughts, suggestions, questions. 4 So this is about market information. What 5 is the market presence of this product and how is it 6 marketed and/or sold and what types of businesses 7 are involved in the supply chain for manufacturing 8 the product? General thoughts about how it might 9 impact? 10 MS. ALCAUTAR: Can I ask a question about 11 it? 12 MS. MAURER: Absolutely. 13 MS. ALCAUTAR: So I understand that this is 14 part of the challenge of the department is that not 15 all the information is available to you in order to 16 choose the products, but as you collect that 17 information, is there an intention to make that 18 information public, the market information? 19 MS. PAPAGNI: As long as it's not 20 confidential business information or proprietary. 21 MS. ALCAUTAR: Okay. Because I just know 22 like -- anyway, that that type of information -- I 23 know that, like, some of that information is 24 available, like, in the Department of Commerce, for 25 example, that you may or may not have access to. I</p> <p style="text-align: right;">47</p>
<p>1 MS. PAPAGNI: Labeling. 2 MS. BOQUIS: So it's an option that -- 3 MS. PAPAGNI: I mean, I can't tell you today 4 yes, that's an option for your product with chemical 5 "X." 6 MS. BOQUIS: M-hm. 7 MS. PAPAGNI: But if our department names, 8 you know, a product that's made by Leap Frog that's 9 a chemical product combination and you get to the 10 point of an alternatives analysis and it's 11 determined that this is the only chemical you can 12 use in this product and there are no other 13 alternatives, for whatever function or reason, then 14 it would be addressed with the regulatory response, 15 which potentially could be a labeling issue or it 16 could be, you know, requiring that your company does 17 more research into other chemicals. 18 I mean, Carl talked about there's, I think, 19 six -- there's a menu of different regulatory 20 responses. Essentially, it's loosely six. There's 21 six -- you know, so -- 22 MS. BOQUIS: Okay. Thank you. 23 MS. MAURER: Other retail manufacturing 24 questions about the product, the chemical? Have we 25 covered everything here then? Okay. We're going to</p> <p style="text-align: right;">46</p>	<p>1 know that's something that we encourage again is the 2 interdepartmental conversations and sharing of 3 information so that you can make the best decisions 4 possible. 5 So it would be helpful, you know, as you 6 collect that information, if you could make it 7 publicly available because I'm sure that it might be 8 helpful for other agencies that, you know, might be 9 regulating it or -- anyway. 10 MS. MAURER: Any suggestions, comments from 11 retailers, manufacturers on these market questions 12 and providing us with information that we might not 13 have considered? 14 MS. RAYMENT: This is Karen from Case again. 15 Just to be clear, we're just making a record of 16 comments here and responses to these questions? 17 Because I know some of it. 18 MS. MAURER: Absolutely. 19 MS. RAYMENT: Okay. Thanks. So I know 20 number 2. The priority product is marketed and sold 21 in two ways: One B to B, one B to C, business to 22 business, business to consumer. So I would imagine 23 the market for B to B is higher with respect to 24 revenue and dollar amounts and also moving things 25 around the country.</p> <p style="text-align: right;">48</p>

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<p>1 So, for instance, marketing to Gymboree or 2 marketing to a chain, a chain that supplies bundled 3 services and goods, a daycare center chain, for 4 instance, or a school chain or a district would be 5 probably the highest revenue dollars for this. And 6 then the types of businesses involved in the supply 7 chain could also include overseas businesses. So 8 now you get into export tracking and things like 9 that for threads, for things that bind the 10 mattresses inside the cribs, clips and metals, metal 11 workshops, trucking companies, ocean freight 12 shipping. So is that the kind of general stuff 13 you're looking for? 14 MS. MAURER: That's good. That's helpful. 15 MS. PAPAGNI: And the more specific -- for 16 example, if anyone had import information? So with 17 TDCPP, we know that it's, you know, potentially 18 being phased out of the United States but the one 19 chemical manufacturer has actually stated they're 20 going to phase it out. But there's several 21 manufacturers in China of TDCPP and so we just have 22 no information on whether they're putting this into, 23 you know, polyurethane foam and putting -- likely 24 they are. We don't have data on that and whether 25 those products are coming into California. Likely,</p> <p style="text-align: right;">49</p>	<p>1 what we're seeing is extended responsibility for 2 suppliers who are not branding that brand. 3 So we're seeing QVC Network. We're seeing 4 Walmart, Home Depot. They are increasingly in the 5 legal arena taking on this liability for products 6 that are not branded with their name, rather branded 7 with their channel. So that's another consideration 8 economically that we're seeing change in the U.S., 9 where we're outsourcing original design, we're 10 outsourcing pieces of the supply chain, like the 11 call centers, customer service centers, and we're 12 also seeing contract manufacturers that have a broad 13 scope now. They're not just making one product 14 anymore. They're contracting it out. 15 Those are -- in my own research, that has 16 been almost intangible research because you can't 17 quantify how many plants in mainland China would 18 make a toy product or a sleeping product. That's 19 really hard to count because sometimes they do 20 one-and-dones. So they'll set up a line, do 21 50,000 units, and they're done with that and they'll 22 tear the line down. So that piece is hard. 23 MS. MAURER: Yes. 24 MS. GORDON: Pamela. I am not an expert in 25 consumer products. However, I am an expert in the</p> <p style="text-align: right;">51</p>
<p>1 they are. 2 You know, half the stuff you buy at the 3 store says "Made in China." So -- but that's not, 4 you know, actual information, right? 5 So if you have any specific information you 6 could share with us, especially if you could share 7 it through our e-mail, that would be ideal, Karen. 8 MS. RAYMENT: I have some sources. I can do 9 a bit of research pretty quickly on that. So I'll 10 submit it through the website. 11 MS. MAURER: Okay, great. 12 MS. RAYMENT: I'd also like to say that 13 increasingly on my own work I'm seeing a lot of -- 14 it's called extended supplier responsibility issues 15 that you guys see to in Sacramento, and there are a 16 number of those. 17 One of those that I'm seeing now is -- when 18 I first started my career, I was a design engineer. 19 First class designers and manufacturers held legal 20 liability essentially. So if you designed a product 21 that was unsafe, they would come back to the 22 engineer manufacturing entity that produced that 23 product, and that's when we were vertical. 24 Now we're scattered all over the earth. 25 Pieces of the organizations are outsourced. So now</p> <p style="text-align: right;">50</p>	<p>1 supply chain and product content in the electronics 2 industry. I wonder if there's a counterpart to me 3 that is in the consumer products industry, maybe 4 even children's products industry who knows as much 5 as I know about electronics and contract 6 manufacturing and logistics and substances and 7 tracking and implications and if the department 8 can tap a firm like that for this critical 9 information. 10 Supply chain is so complicated these days, 11 owing to outsourcing and global transport, that I 12 would hate for us to go too far down this path 13 without having critical information about that, that 14 knowing that now could make implementation a lot 15 smoother. 16 MS. MAURER: Good. 17 MR. KERR: I want to address that a little 18 bit. In your industry, the textile industry has 19 gone down that path, and there are service 20 providers and -- in places like India and China and 21 Bangladesh and Indonesia that will go to the 22 manufacturers of electronic products and verify that 23 the metals that they're working with are the ones 24 they're supposed to be working with and things like 25 that. That's the result of, for the most part,</p> <p style="text-align: right;">52</p>

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<p>1 regulation and litigation in the first world, driven 2 by mostly lawsuits. 3 You seem to be alluding to is there 4 something similar that can be done with consumer 5 products like this? Is that what you're getting at? 6 MS. GORDON: You're talking about the 7 repercussions part if these are not followed. 8 MR. KERR: That's right. 9 MS. GORDON: And that's also very important. 10 MR. KERR: And what goes into your product. 11 MS. GORDON: Right. I'm -- I'm more -- so 12 that is of equal concern than what I discussed. And 13 on that, in the electronics industry, often it's the 14 first world corporations who are putting the 15 auditors into their contract manufacturing and 16 suppliers' suppliers' suppliers' sites, getting that 17 visibility. 18 But I was talking more about the process of 19 supply chain management and decisions by the 20 manufacturers as to how and where their products are 21 manufactured. That kind of insight I think would be 22 extremely important to the department right now. I 23 wish I had someone to refer you to, but I -- 24 MR. KERR: We certainly don't have it 25 in-house.</p> <p style="text-align: right;">53</p>	<p>1 and downstream in terms of what your requirements 2 are for your -- from your suppliers, whether it's 3 your formulations or your packaging or your product 4 itself. That seems to be a trend industrywide, and 5 it's driven by several different things. 6 One is -- not the least of which is 7 responsibility to our customers, which are the 8 retailers, and that's sort of the second point of 9 this, or the subpoint, is increasingly consumer 10 product manufacturers are being driven to certain 11 criteria by the retailers, whether it's a Walmart 12 type of a big box retailer or other significant 13 retailers in the market. 14 They tend -- they are increasingly driving 15 what the final product on shelf looks like. So that 16 may be an area for the department to have a little 17 more visibility to, to understand those 18 relationships and maybe harmonize a bit with what's 19 going on in the retail sector, not to throw our 20 retailer friends under the bus, but it is 21 increasingly important. 22 The other corollary to that is the e-commerce 23 channel of trade. Increasingly, all consumer 24 products, whether it's public care prod -- personal 25 care products or hard goods, are being sold through</p> <p style="text-align: right;">55</p>
<p>1 MS. GORDON: I don't know anyone in field. 2 MS. MAURER: Yes. 3 MS. RAYMENT: Just leveraging this -- that 4 was a good comment. In leveraging that, there are a 5 couple of industries that companies sort of track 6 this as part of their insurance business model. One 7 of those is the packaging industry. We're seeing 8 more and more strict regulations as standards come 9 out because of ocean ship freight, and that's a 10 really sturdy packaging these days that we used to 11 didn't have to have when we were trucking and 12 sending products locally in the continental U.S. via 13 train and other ways. 14 So the insurance industry is also tracking 15 some of this because they have to ensure the large 16 losses on the ocean freight and the transport, and 17 that's pretty much public domain information. That 18 might be a good source is what I'm saying. 19 MS. MAURER: Good. 20 MS. RAYMENT: I don't think there's a 21 central database, unfortunately. 22 MS. MAURER: Did you want to add something? 23 UNIDENTIFIED SPEAKER: As a general 24 observation in the consumer product sector, there's 25 increasingly additional attention paid both upstream</p> <p style="text-align: right;">54</p>	<p>1 the Amazons of the world, and that's a marketing 2 venue that has -- that's ubiquitous, right? You can 3 sell anywhere. It's harder for the manufacturer to 4 feel like there's any control over, depending on the 5 specific criteria, and again increasingly a part of 6 the world that the manufacturer -- the regulated 7 community that is playing in. And there's a lot of 8 unknowns. 9 I'm not suggesting the department has the 10 answers to that, but it's a new space as well that I 11 think greater visibility to the market pressures 12 could be helpful. 13 MS. MAURER: Interesting. Did you want to 14 go ahead? 15 UNIDENTIFIED SPEAKER: I just have a 16 question. Is DTSC seeking this market information 17 to be used as part of its economic impact analysis 18 in the next -- during the next formal regulatory 19 process on this regulation, or is there some other 20 purpose for the market information? 21 DR. WILLIAMS: This is Meredith Williams, 22 Deputy Director at DTSC, and yeah, that's the 23 primary driver behind our need to get as accurate 24 information as we can. It also speaks to the level 25 of exposure.</p> <p style="text-align: right;">56</p>

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<p>1 MS. MAURER: Yes. 2 MS. RAYMENT: Is there time for another 3 follow-up -- 4 MS. MAURER: Sure. 5 MS. RAYMENT: -- leveraging on what Mary-Ann 6 said? I think the types of businesses involved in 7 the supply chain for manufacturing, that's the push. 8 But then there's the pull. Right now Walmart's got 9 some litigation stacked up against them on a 99 cent 10 cleaner, a household cleaner that they stocked, and 11 this is public domain information. It's ongoing 12 litigation against Walmart even though it's not 13 their brand. 14 So I think there's increasingly -- because 15 they need to be green, essentially aware of what 16 they're selling, they need to protect their consumer 17 because they're the channel selling to consumers. 18 Increasingly, we're going to see that because the 19 factory in China that made that cleaner is gone. 20 So we need resolution to that suit. We need 21 to make sure we're the watch dogs here in America 22 for the American consumers, and I know that QVC is 23 under the same pressure. 24 A lot of B to B sales in the utility space, 25 data communications space are going through the same</p> <p style="text-align: right;">57</p>	<p>1 products. So some this could inform part of our 2 initial statement or reason, particularly around the 3 exposure. The other part is that we are required to 4 do the 399 analysis of the economic impact of our 5 decision and so we also need the economic 6 information for that, for the 399. 7 MS. GIBBONS: Okay. Thank you. 8 MS. MAURER: Okay. Anything else? 9 MS. LEVIN: I was going to mention I've 10 noticed that, for example, nap mats are sold very 11 seasonally, so from August, July as the day cares 12 open, there's a big bunch. Then it's very hard to 13 get the rest -- not hard to get. It's harder to get 14 the rest of the year, so something to know if you're 15 looking at any quarter data. 16 MS. PAPAGNI: Then additionally, regarding 17 TDCPP and sleeping products, we had some actual 18 specific questions in addition to sort of the 19 general questions that were asked for each of the 20 three products. So if you could -- 21 MS. MAURER: The major suppliers, the major 22 foreign and domestic manufacturers. As Christine 23 mentioned, there's an awareness of the chemical 24 coming from China, but what other products might be, 25 where are they sold -- what products and where are</p> <p style="text-align: right;">59</p>
<p>1 thing with heavy metals and things like that that 2 they sell but they're not their original products. 3 So I think a piece of this also needs to involve 4 that we see the pulls into the marketplace, not just 5 the supply chain or manufacturing, because 6 manufacturers are increasingly being squeezed by 7 those retail requirements, as Mary-Ann alluded to. 8 One source of good information is if you go 9 on QVV or Amazon proper, not the marketplace, or you 10 go to the Walmart store, their corporate website, it 11 will tell you their requirements to become a 12 supplier for them, and that's public domain. 13 So there are all these really strict 14 requirements to sell through these channels that are 15 increasingly under the microscope in our society. 16 MS. MAURER: Anything -- yes. 17 MS. GIBBONS: Sorry. Just a follow-up 18 question for Dr. Williams. So is the market 19 information that people would be providing now, is 20 that just going to be used as additional support for 21 the exposure part of why these products were listed? 22 Is that -- 23 DR. WILLIAMS: There are two separate 24 requirements. Number one is we have to have an 25 initial statement of reasons for our selection of</p> <p style="text-align: right;">58</p>	<p>1 they sold in California? Again foreign 2 manufacturers and importing of TDCPP and/or 3 children's foam padded sleeping products in 4 California, who's doing that? So there's a -- 5 MS. PAPAGNI: So if any of you have 6 information that you're willing to provide to us, 7 that would be -- 8 MS. MAURER: Or a counterpart, as you 9 mentioned, to your expertise. 10 MS. LEVIN: I don't know -- this is Judy. I 11 don't know if you know Bob Ludica at the 12 Polyurethane Foam Association, but he can tell you 13 the major suppliers of polyurethane foam, and I'm 14 happy to share his contact information. 15 MS. PAPAGNI: Thanks, Judy. 16 MS. MAURER: Any other suggestions, insight? 17 Okay. All right. That wraps up the three topic 18 questions that we wanted some input on, and this is 19 the time to provide us any other wrap-up comments, 20 any other thoughts that you haven't expressed yet, 21 questions, anything at all. Yes. 22 MR. BOUDRIMONT: This is Adrien. In the 23 future, once this chemical will be taken out of the 24 market in the future regulation, are you going to 25 regulate the recycling or the disposal of the</p> <p style="text-align: right;">60</p>

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<p>1 products that are already -- that are today in use 2 everywhere? So are you thinking about what we 3 should do with this product when the regulations are 4 out? 5 MS. PAPAGNI: So at least at the phase once 6 the product gets to an alternatives analysis, 7 adverse impact and end of life is actually 8 considered. Unfortunately, with the way that the 9 regulation is crafted, it's not considered until the 10 chemical product combination hits the alternatives 11 analysis phase. 12 There's some that's actually considered in 13 terms of prioritizing the product, and we, as a 14 department, can make some recommendations. But it's 15 not required in the regulation. 16 DR. WILLIAMS: So we have a number of 17 regulatory responses, and one of the regulatory 18 responses can be an end-of-life determination as to 19 what should happen with the product, but we can't do 20 that until again we go through the alternative 21 analysis and make that regulatory response. 22 MR. BOUDRIMONT: Okay. 23 MS. MAURER: Yes? 24 UNIDENTIFIED SPEAKER: So we are trying to 25 make sure we are aware of efforts to capture --</p> <p style="text-align: right;">61</p>	<p>1 foam that you want. And it's pretty quick. It just 2 replaces the foam in the cushion because that's 3 where most of the polyurethane is in your couch. 4 The other parts of the couch don't have that much 5 foam or might not have any foam in the frame. So if 6 you replace the cushions, you get most of the flame 7 retardants out of it. 8 So the best way I would say is to go to our 9 website, or I can give you my card. 10 MS. WARMERDAM: It is an interesting 11 question, not to make it more complicated for DTSC, 12 but the end-of-life question and the tension between 13 proper disposal and recycling and where everything 14 falls because we -- as recycled material comes -- 15 becomes a part of the input stream that 16 manufacturers look to, we sometimes get crosswise 17 with inadvertently bringing in materials that have 18 chemistries that, while laudable because we're 19 recycling, the chemistries themselves may not be 20 desirable. 21 So as you think forward, maybe one of the 22 larger public policy questions is how do you balance 23 that tension that exists between recycling and 24 ensuring clean product streams? 25 MS. LEVIN: If we can go back for just a</p> <p style="text-align: right;">63</p>
<p>1 recycle foam, and there are some pilot projects 2 who -- there's one that started in the Bay Area, and 3 actually -- 4 MS. YI-BULAN: Yeah. We started off with 5 couches, basically polyurethane foams in couches, 6 and we're working with several foam manufacturers to 7 exchange the foam in the couches so you don't need 8 to throw away the whole couch and also to store that 9 foam for research into best ways of disposing of it. 10 So we don't yet have a best practice for 11 getting rid of these chemicals. We need a lot of 12 money to do that research, combustion methods. 13 MS. PAPAGNI: She's actually specifically 14 talking about a program that's going on currently in 15 the Bay Area which is a test program. Could you 16 provide some information to people who might want 17 to -- if they have foam they want to exchange, 18 could you provide the information on how they can do 19 that? 20 MS. YI-BALAN: Yeah. So you can just 21 basically go to the Green Science Policy's website, 22 and we have there some -- we're just working right 23 now I think with one foam manufacturer, and it costs 24 I think something like \$45 to \$75 per cushion, 25 depending on the size of the cushion and type of the</p> <p style="text-align: right;">62</p>	<p>1 minute, I was thinking that it might be helpful for 2 you to know that I've been told that the foam that's 3 used in children's products varies tremendously 4 based on what's available and what happens to be 5 cheap in the market because it's not a performance 6 need. It's not like it has to be super, super 7 comfortable because kids weigh 15, 20 pounds, so 8 they don't need a lot of cushion like we do. 9 So that can be a challenge in the products 10 is that there may be multiple suppliers at different 11 times using different chemical companies and 12 chemical combinations. 13 MS. MAURER: Any other -- 14 MS. YI-BALAN: So how is DTSC planning to 15 ensure compliance with these regulations? Are you 16 going to do any testing or -- 17 UNIDENTIFIED SPEAKER: Well, I think 18 we're -- we have a wide variety of staff allocated 19 to our program, including enforcement folks. We 20 have lab folks. I don't know the path to how we're 21 going to enforce it is clear to us yet, but we are 22 starting to think about that. We have resources 23 available to help us work on that. 24 Meredith, do you want to -- 25 DR. WILLIAMS: We're driving down the road</p> <p style="text-align: right;">64</p>

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<p>1 while we're paving it and so we are giving it some 2 thought. It's a great question. 3 MS. MAURER: Any other questions, thoughts, 4 suggestions? And then, of course, our e-mail if you 5 have anything further or if you want to go into 6 detail on some of the subjects you brought up today 7 that Christine asked about. Then comments are due 8 June 30th, and Chris -- yeah. 9 MS. YI-BALAN: I have another question. I 10 was wondering kind of a general how -- like how are 11 you planning to measure success of this program, of 12 the chemical product pairing? And in particular for 13 this one I feel like it might be tricky to measure 14 the success of this product specifically because the 15 DTSC's already being -- or part of Prop 65. So how 16 are you going to particularly see that this program 17 works for this product combination? 18 MS. PAPAGNI: I'm going to pass that 19 question to Meredith. Sorry, Meredith. That's the 20 problem with showing up. 21 DR. WILLIAMS: There are a lot of different 22 ways to measure the success of the overall program. 23 You know, it could be everything from the number of 24 green technology patents that are related to 25 consumer products, particularly the products we</p> <p style="text-align: right;">65</p>	<p>1 wrap up what our next steps in the process are, as 2 Carl already said, you know, the proposed priority 3 products were announced in March. 4 We're currently doing these informational 5 workshops. Our last one is next week, June 4th, in 6 Los Angeles. We should begin the rule making 7 process to actually, you know, draft these into 8 regulation starting in late 2014. We're looking at 9 fall, so as Lisa said, potentially October. And 10 then the rule making should take approximately one 11 year. 12 And after the priority products are 13 officially final, then the alternatives analysis and 14 the reporting requirements will begin. What's not 15 on this slide is the work plan for the upcoming 16 product categories is actually being drafted right 17 now, and I believe the workshops on that will begin 18 in October. 19 DR. WILLIAMS: Actually, no. They're 20 earlier. 21 UNIDENTIFIED SPEAKER: August. August 22 because it has to be final by October 1. 23 MS. PAPAGNI: Oh, okay. So workshops in 24 August. Thank you. So -- and that will be final by 25 October.</p> <p style="text-align: right;">67</p>
<p>1 name. It could be lessened exposure. It could be 2 removal of chemicals in products other than the 3 products we name. Right? 4 If we name a chemical in a product but that 5 chemical is used in a number of other products and 6 we start to see other people start to look for 7 alternatives, that is a great indicator that would 8 have an effect. 9 For this product in particular, we've been 10 having some conversation -- you're right. The 11 adoption of this chemical is waning anyway and so it 12 may be hard to tell. But in the longer term, I 13 think we would love to have methodologies that are 14 well based in biomonitoring or based in exposure 15 monitoring in households or other things like that 16 that could give us some indication of trends as to 17 whether or not we've had the benefit that we're 18 trying to have. So I think there are a lot of 19 different ways to measure success and it's a little 20 bit case dependent. 21 MS. MAURER: Thank you. All right. 22 Christine has a few closing remarks, and thank you 23 all again for coming. 24 MS. PAPAGNI: Okay. So unless we have 25 additional comments or questions, just to sort of</p> <p style="text-align: right;">66</p>	<p>1 MS. BOQUIS: This is Stephanie. Are there 2 going to be numerous workshops, just one? 3 MS. PAPAGNI: Just one. But you'll have 4 another opportunity -- the work -- the work plan 5 will identify broad product categories, and then as 6 we identify and propose additional product chemicals 7 in that next three years, that will still be subject 8 to public workshops. So you'll have a couple of 9 opportunities. But for the work plan right now, 10 it's just one workshop planned to my knowledge. 11 Maybe it's changing. 12 DR. WILLIAMS: I don't know. I'm staying 13 out of it. 14 MS. PAPAGNI: We just have one right now, I 15 believe. 16 UNIDENTIFIED SPEAKER: Okay. And that will 17 be held in Sacramento? 18 MS. PAPAGNI: That's what I've heard. 19 MS. MAURER: Okay. Well, thank you again 20 for coming and again -- 21 MS. WARMERDAM: Could I? 22 MS. MAURER: Sure. 23 MS. WARMERDAM: Just to close up, I'd like 24 to thank you, Meredith and the staff. We may not 25 agree, but do appreciate you taking the time to</p> <p style="text-align: right;">68</p>

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<p>1 solicit input and go through the public process. So 2 thank you for that. 3 MS. PAPAGNI: Thanks. 4 MS. MAURER: You're welcome. 5 MS. ALCAUTAR: Can you make your contact 6 information available particularly because you were 7 the person who handled this product? Is that 8 possible? 9 MS. PAPAGNI: I've kind of been directed 10 that all of the information is supposed to be sent 11 to the general e-mail site and then they will 12 forward it to me or the appropriate person. 13 DR. WILLIAMS: And that's not because we 14 don't want Christine talking to you. It's just if 15 we centralize things, it gives us better tracking, a 16 better understanding of the comment threads that 17 come in. 18 MS. MAURER: If you have the question, 19 others are likely to, too, and we can add FAQs to 20 our website. 21 DR. WILLIAMS: And it will get to her 22 personally. 23 MS. PAPAGNI: I'm not trying to hide from 24 you. If you really want my contact information, 25 it's public. So, you know --</p> <p style="text-align: right;">69</p>	<p>1 STATE OF CALIFORNIA) 2 COUNTY OF SAN FRANCISCO) 3 4 I hereby certify that the foregoing in 5 the within-entitled cause was taken at the time and 6 place herein named; that the transcript is a true 7 record of the proceedings as reported by me, a duly 8 certified shorthand reporter and a disinterested 9 person, and was thereafter transcribed into 10 typewriting by computer. 11 I further certify that I am not 12 interested in the outcome of the said action, nor 13 connected with nor related to any of the parties in 14 said action, nor to their respective counsel. 15 IN WITNESS WHEREOF, I have hereunto set 16 my hand this 8th day of June, 2014. 17 18 19 _____ 20 CYNTHIA F. DAMMANN, CSR No. 10610 21 STATE OF CALIFORNIA 22 23 24 25</p> <p style="text-align: right;">71</p>
<p>1 MS. ALCAUTAR: Thank you. 2 MS. PAPAGNI: Judy, you did have a name you 3 were going to provide? 4 MS. LEVIN: Bob Ludica. 5 DR. WILLIAMS: Thank you all for coming. We 6 appreciate the input. 7 8 (Proceedings concluded at 12:14 p.m.) 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25</p> <p style="text-align: right;">70</p>	

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