Basis Statement

On May 14, 2014, a citizen petition to initiate rulemaking to designate four members of the chemical class phthalates as priority chemicals was submitted to the Department of Environmental Protection ("Department"). The petition sought to establish di(2-ethylhexyl) phthalate (DEHP), dibutyl phthalate (DBP), benzyl butyl phthalate (BBP), and diethyl phthalate (DEP) as Priority Chemicals, and require manufacturers of specified categories of children's products to report their intentional use in such products to the Department.

In accordance with the *Maine Administrative Procedure Act*, 5 M.R.S.A. § 8055, any person may petition an agency for the adoption or modification of any rule. Within 60 days after receiving such a petition, the agency must either notify the petitioner of its denial, or initiate the appropriate rulemaking proceedings. However, because this petition was submitted by more than 150 registered voters of the State of Maine, the Department was required by law to initiate rulemaking (5 M.R.S.A. § 8055(3)). The nature of the petition's proposed rule chapter 888 is such that proceedings follow the Department's routine technical rulemaking process.

The draft rule, as proposed in the citizen's petition, was published on July 9, 2014. Following the direction provided by the *Maine Administrative Procedure Act*, 5 M.R.S.A. § 8052(1), a public hearing on this petition was held on July 29, 2014. The public comment period closed on September 29, 2014, with the Department receiving over 900 comments.

Because numerous sections of petitioner's originally proposed draft rule were in conflict with governing statute and rule, it was necessary for the Department to modify language in the proposed draft to better align the rule with currently effective Maine law. Some sections of the proposed draft rule were substantially revised from the petitioner's proposal as a result of these necessary changes. Additionally, some sections of the rule required modification to provide greater clarity. This required the Department to republish the proposed draft in its amended form on February 11, 2015, and provide for another public comment period. This second comment period specifically requested input from the public concerning the modification of language from

Basis Statement

Citizen Petition to Initiate Rulemaking Proposed Rule Chapter 888

Designation of four members of the Chemical Class 'Phthalates' as Priority Chemicals

the originally proposed draft (5 M.R.S.A. §8052(5)(B)) and closed on March 13, 2015, with the Department receiving 36 comments.

Basis for Amended Language

The Commissioner is unable to adopt the originally proposed applicability section of draft rule chapter 888 because it fails to identify distributors as a regulated entity and omits exemptions which appear in previous priority chemical rules. Additionally, the originally proposed language was unclear and did not accurately reflect the statutory language of, "product for sale in the State" (38 M.R.S.A. § 1695(1)) when describing products subject to regulation under this rule.

Within section 2 of the proposed draft rule, changes were necessary to properly cite Department rule chapter 880.

Several definitions within the originally proposed rule were modified to be consistent with the Department's other rules and with federal regulatory definitions so that the regulated community can more readily comply with the rule. Section 2(I) was amended to remove unnecessary descriptive language so that it is clearer which compounds are regulated, similar to changes made in section 3(A). Rather than duplicate the list of criteria from statute, the Department made section 3(B) more meaningful by describing which of the designation criteria had been met.

Because the rule must be consistent with statute, the Commissioner cannot adopt the originally proposed tiered reporting system. Governing law states that regulated entities must submit applicable information, "not later than 180 days after a priority chemical is identified..." (*Toxic Chemicals In Children's Products*, 38 M.R.S.A. § 1695(1)). The Department is unable to create a reporting condition in rule which does not align with statutory requirements.

Petitioner's proposed rule provided a waiver of disclosure for regulated entities that are subject to reporting requirements in the State of Washington. However, Maine law specifies that priority chemical disclosure applies to a manufacturer or distributor providing a product for sale in the State of Maine (*Toxic Chemicals In Children's Products*, 38 M.R.S.A. § 1695(1)). This specificity regarding the location of commerce, and the substantial distance between the Maine and Washington marketplaces, leaves this section of the petitioner's proposed draft misaligned

Designation of four members of the Chemical Class 'Phthalates' as Priority Chemicals

with statute and unenforceable. Additionally, information reported to Washington State through its *Children's Safe Products Act*, Chapter 70.240 RCW, does not mirror information required by Maine law.

These amendments to proposed rule chapter 888 have resulted in a statutorily aligned and enforceable regulation, which fits within the scope and purpose of the Department's existing Safer Chemicals Program. Because evidence in the record shows that the phthalates listed in the proposed rule have met the criteria for designation as Priority Chemicals, and that publicly accessible information which reflects the information requested by the proposed rule does not exist, the Department moves to designate the four phthalates named in proposed rule chapter 888 as Priority Chemicals.

Comments on the rulemaking proposed in the petition are summarized below. Comments are grouped according to which version of the proposed draft they apply to and may be consolidated. Department responses follow the comments.

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Please Note: Some commenters have submitted more than one written comment and, as a result, are noted within this list by an asterisk (*). The asterisk is also used to complete commenter names that were not legible.

List of Commenters

- 1. Emma Halas-O'Conner **EHSC** 969 Congress St. Portland ME 04101
- 2. Deb Rice, PhD **EHSC** 83 George Wright Rd. Woolwich, ME 04579
- 3. Dr. Geoff Gratwick 1230 Kenduskeag Ave. Bangor, ME 04401
- 4. Bettie Kettell ANA- Maine 103 Rabbit Rd. Durham, ME 04222
- 5. Syd Sewall Maine Chapter AAP
- 6. Jeff Gearhart **Ecology Center** 117 N. Division Ann Arbor, Michigan 43104
- 7. Robin Dodson Silent Spring Institute 29 Crafts Street Newton, MA 02458
- 8. Paige Holmes **Holmes Consulting** 20 Poplar Circle Lisbon, ME 04250

- 9. Tracy Gregoire, Kim Moody, Virginia Mott, Carol Tiernan Learning Disabilities Assoc. of Maine 59 Ward Rd Topsham, ME 04086
- 10. Suzanne Lafreriere Roman Catholic Diocese of Portland 510 Ocean Ave. Portland, ME 04074
- 11. Beth Ahearn Maine Conservation Alliance 30 Pine Street Freeport, ME 04032
- 12. Steve Taylor Coming Clean 59 Ward Rd. Topsham, ME 04086
- 13. Megan Rice Prevent Harm 29 Grandview Drive Belgrade, ME 04917
- 14. Maddy Roberts 870 Brewer Lake Rd. Orrington, ME 04474
- 15. Regina Creeley 104 Corinth Rd. Hudson, ME 04449

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- 16. Ginger Jordan Hillier 49 Welch Ave. Monmouth, ME 04259
- 17. Donna Herzig 173 Longfellow St. Portland, ME 04103
- 18. Bettyann Sheats Finishing Touches Shower Doors 32 Waterview Drive Auburn, ME 04210
- 19. Fred Miller Maine Physicians for Social Responsibility 22 Pond Street Orono, ME 04473
- 20. John Newton Don Berry Maine AFL-CIO 135 Sheridan St #303 Portland, ME 04101
- 21. Kathy Kilrain del Rio Maine Women's Policy Center 19 Eastern Promenade Apt 1 Portland, ME 04101
- 22. Jody Spear PO Box 42 Brooksville, Maine
- 23. Peter Millard 29 Wright Street Belfast, ME 04915
- 24. Heather Spaulding MOFGA PO Box 170 **Unity ME 04988**

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- 26. Jevaneh Nekoomaram Stephen Wieroneiy American Coatings Association 1500 Rhode Island Ave N.W. Washington, DC 20005
- 27. Michael Belliveau **Environmental Health Strategy Center**
- 28. Curtis Picard Retail Association of Maine 45 Melville Street, Suite 1 Augusta, ME 04330

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Rep. Rykerson

Proposed Rule Chapter 888

Designation of four members of the Chemical Class 'Phthalates' as Priority Chemicals

Rep. Gideon	Rep. Sanborn	32.	Catherine Walsh
Rep. Gilbert	Rep. Saucier		Cape Elizabeth, ME 04107
Rep. Goode	Rep. Saxton		•
Rep. Graham	Rep. Schneck	33.	Amy Ducharme
Rep. Grant	Rep. Hamann		Studio Allure
Rep. Luchini	Rep. Harlow		27 River Rd
Rep. MacDonals	Rep. Herbig		Topsham, ME 04086
Rep. Marks	Rep. Hickman		-
Rep. Mason	Rep. Hobbins	34.	Ben Butler
Rep. Mastraccio	Rep. Kruger		Ben's Old Port Barber Shop
Rep. McCabe	Rep. Shaw		28 Milk St.
Rep. Treat	Rep. Short		Portland ME 04101
Rep. Tipping-Spitz	Rep. Stanley		
Rep. Verow	Rep. Stuckey	35.	Bob Gilgan
Rep. Villa	Rep. Theriault		Bella Hair Studio
Rep. Welsh	Sen. Cleveland		34 Main St.
Rep. Werts	Sen. Craven		Bangor, ME 04401
Rep. Dion	Sen. Dutremble		
Rep. Dorney	Sen. Gerzofksy	36.	Brenda Broder
Rep. Eves	Sen. Gratwick		Amore Styles
Rep. Farnsworth	Sen. Haskell		1 Gold St.
Rep. Fowle	Sen. Hill		Portland, ME 04101
Rep. Frey	Sen. Jackson		
Rep. Gattine	Sen. Johnson	37.	Burke Fournier
Rep. Gideon	Sen. Lachowicz		Salon Burke
Rep. Gilbert	Sen. Mazurek		490 Congress St
Rep. Goode	Sen. Millett		Portland, ME 04101
Rep. Dorney	Sen. Patrick		
Rep. Eves	Sen. Tuttle	38.	Carmen Westa
Rep. Farnsworth	Sen. Valentino		Cornerstone Barber Shop
Rep. Kumiega	Sen. Vitelli		210 Exchange St.
Rep. Kusiak	Sen. Alfond		Bangor, ME 04401
Rep. Lajoie	Sen. Boyle		
Rep. Libby	Sen. Cain	39.	Chelsy Sewell
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- 44. Jessica Hunter Ethan Hunter Salon 295 Fore St Portland, ME 04101
- 45. Jonathan Kenyon Apollo Salon & Spa 91 Silver St. Waterville, ME 04901
- 46. Kelley Keenan Kelley's Salon 97 Commercial St. Bath, ME 04530
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- 50. Mallory Doria Men's Room 8 City Center Portland, ME 04101
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Proposed Rule Chapter 888

Designation of four members of the Chemical Class 'Phthalates' as Priority Chemicals

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- 206. Susan Alexa 47 Eighteenth St. Bangor, ME 04401
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220	Jennifer Halm-Perazone		Lewiston, Maine
220.	Portland, ME	235.	Elizabeth Castro
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236.	Melinda Gale Brunswick, Maine	251.	Melissa Elie Leeds, Maine
237.	Mary Mcvey Cape Elizabeth, Maine	252.253.	Peg Rush Steuben, Maine Brian Conklin-Powers
238.	Keith Robillard Turner, Maine		Stonington, Maine
239.	Sam Bergman Hancock, Maine	254.	Ruth Elkin Portland, Maine
240.	Doug Wescott Belgrade, Maine	255.	Helen Hoad Windsor, Maine
241.	Mary Fraser	256.	Alan Whittemore Limestone, Maine
242.	Portland, Maine Sharon Peralta	257.	Susan Wind Rockland, Maine
242	Springvale, Maine	258.	
243.	Marcie Lister Portland, Maine	259.	Berwick, Maine Polly Grindle
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245.	Beatrix Gates Penobscot, Maine	260.	Wanda Webber Brunswick, Maine
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349.	Priscilla Dreyman South Portland, ME	363.	Roberta Brezinski Durham, ME
350.	Anne Davis Griffin Bangor, ME	364.	Karen Letourneau Wales, ME
351.	Robin Swennes 6 Chapman Lane Kennebunk, ME 04043-6289	365.	Nancy Miles Cape Elizabeth, ME
352.	PaMEla Mcalinden Acton, ME	366.	Anne Johnson Hollis, ME
353.	Colleen Whitcomb Cape Elizabeth, ME	367.	Susan Lessard Saco, ME
354.	Denisa Cundick Farmington, ME	368.	Sierra Fletcher Portland, ME
355.	Becky Bartovics North Haven, ME	369.	Ellen D Harris-Howard Lebanon, ME
356.	Dr. Sam Bergman Hancock, ME	370.	Holly Weidner, Nurse Practitioner Vassalboro, ME
357.	Norma Rossel Troy, ME	371.	James Portland, ME
358.	Cheryl & Jay Denis Portland, ME	372.	David A. White, Business Owner Bar Harbor, ME
359.	Mary Najarian Portland, ME	373.	Bettie Kettell, Retired RN Durham, ME
360.	Jon Kerr Belfast, ME	374.	Maria Hautala Levant, ME
361.	Amy Fischer	375.	Ann Davis Griffin Bangor, ME
362.	Camden, ME Linda Kallin	376.	Margaret Williams, Student Portland, ME
	Rome, ME	377.	John Bernard, Professor South Portland, ME

378.	Tracy Gregoire Maine Healthy Children's Project Coordinato Topsham, ME	391. or	Carol A. George Winslow, ME
379.	Noreen Hutcherson Portland, ME	392.	Mary F. Dunn Portland, ME
380.	Elizabeth Perry South Portland, ME	393.	Melissa C. Hovey North Berwick, ME
381.	Melissa Gilman Sebago, Maine	394.	Jane E. Mackey Gardiner, ME
382.	Sarah Rodgers Brunswick, ME	395.	Michelle A. Small Brunswick, ME
383.	Carol Hubbard	396.	Karen Wyman Portland, ME
20.4	Dr. Of DevelopMEntal-Behavioral Pediatrics Cape Elizabeth, ME	397.	Judy Dinmore Cape Elizabeth, ME
384.	Denise Tepler Topsham, ME	398.	Corinne Sternlieb Houlton, ME
385.	Ronda B. Mcgonigle Bangor, ME	399.	Sarah Woodard Maine Finance Director
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388.	Owls Head, ME Ralph Scheidler	401.	Lorraine M. Cote Biddeford, ME
	Children's Care Management Supervisor Fort Fairfield, ME	402.	Allison Pringle Bennett Clinical Social Worker South Thomaston, ME
389.	Alison Romano Poland, ME	403.	Kristina Meredith Ellsworth, ME
390.	Jean M. Tucker York, ME		

404.	Judith Watters Topsham, ME	419. 420.	Frank Zito Southwest Harbor, ME Diane Smith, Special Needs Service-Provider
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406.	David Dow Falmouth, MA	421.	Margaret Morey Lincolnville, ME
407.	Sandy Chappell Portland, ME	422.	Cynthia Paquette Kennebunkport, ME
408.	Laura Chase Mapleton, ME	423.	Jo Ann Myers Waldoboro, ME
409.	David And Holly Travers Westbrook, ME	424.	Bethany Woodworth Parent & Educator South Portland, ME
410.	Van Beckman		
	Standish, ME	425.	Catherine Walsh Cape Elizabeth, ME
411.	Julia Harper		1
	Lewiston, ME	426.	Michelle Boisvert Portland, ME
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	Portland, ME	427.	Priscilla Keene Seal Cove, ME
413.	Larry Tyrrell		
	Brunswick, ME	428.	David A White Bar Harbor, ME
414.	Rachel, Grandmother		
	South Portland, ME	429.	Jennifer Charrette Yarmouth, ME
415.	Mary Ann Lock Ellsworth, ME	430.	Michael Taylor, Md, Mph Portland, ME
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	Roslindale, MA	431.	Liesha Petrovich
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	Franklin, ME	432.	Caroline Pryor Mount Desert, ME
418.	Susan		
	Kittery Point, ME	433.	Cheryl Thompson Winthrop, ME

434.	Karen Coker Cape Elizabeth, ME	449.	Maxine Linnenbom Richmond Heights, MO
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436.	Sean Mccloy, Md Mph Ma Portland, ME	451.	Kathleen Molatch Eastbrook, ME
437.	Paul Grenier North Monmouth, ME	452.	Rachel Moses Bar Harbor, ME
438.	Bruce Hautala Levant, ME	453.	Jane Mccloskey Deer Isle, ME
439.	Daniel Oppenheim Falmouth, ME	454.	Daniel Meyer Readfield, ME
440.	Robert W. O'connor Kingfield, ME	455.	Kathryn Adamsky Union, ME
441.	M. Chase Scarborough, ME	456.	Kathleen Young Orono, ME
442.	William H. Slavick Portland, ME	457.	Amy Graham Farmington, ME
443.	Lynda Carscallen Lyman, ME	458.	Jeffrey Hefferon Auburn, ME
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445.	Hannah Pingree North Haven, ME	460.	Brescian Lander Bar Harbor, ME
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447.	Mount Desert, ME Ken Oberholtzer Stockton Springs, ME	462.	Orrington, ME Margaret Portland, ME
448.	Bonita Roux Richmond Heights, MO	463.	Robyn Ball Bar Harbor, ME

464.	Cathy Conroy Portland, ME	478.	Robin Brooks Topsham, ME
465.	Deane Buck Readfield, ME	479.	Rosemary Wood Lewiston, ME
466.	Sue Hartman Cumberland, ME	480.	Karen D'andrea Scarborough, ME
467.	Donna Somma Portland, ME	481.	Joyce Racine Portland, ME
468.	Priscilla Carothers Parent & Coach	482.	Elizabeth Carson South Portland, ME
469.	Cumberland, ME Barry G. Timms, Fimls, M.Phil.Phd,	483.	Antoinette Broadhead Cumberland, ME
	Professor EMEritus Sanford School Of Medicine Northport, ME	484.	Tina Selmar Portland, ME
470.	Jean Keller South Portland, ME	485.	Denise Berube Portland, ME
471.	Rosemary Fecteau, Phd North Yarmouth, ME	486.	Barbara Loring Scarborough, ME
472.	Barbara Barbeau Kennebunk, ME	487.	Laura Hannan Scarborough, ME
473.	Sabrina Morano Old Town, ME	488.	Nickola Cole Portland, ME
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475.	Ben Asselin Portland, ME	490.	Carol Ross Portland, ME
476.	Robert Dale Brunswick, ME	491.	Karen Minton Biddeford, ME
477.	Lynn Ellis Durham, ME	492.	Noelle Hoey Gorham, ME

493.	Will Albeck Portland, ME	508.	Binton Kunjo Brunswick, ME
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495.	Gay Pearson Falmouth, ME	510.	Linda Miller Brunswick, ME
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497.	Amy Dye Falmouth, ME	512.	Nancy Myer Falmouth, ME
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499.	Barbara Ward Falmouth, ME	514.	Margaret Hickey Westbrook, ME
500.	S. Holmes Pittston, ME	515.	Susan Cota Standish, ME
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545.	Mark Greene 36 Eastern Ave. Long Island, ME 04050-3010	556.	Charles Kettell 103 Rabbit Rd. Durham, ME 04222-5241
546.	Virginia Baghdoyan 67 Nottingham Rd. Winthrop, ME 04364	557.	Sherwood Treadwell 45 Plymouth Grove Dr. Kennebunk, ME 04043-6999
547.	Peggy Smith 2807 Atlantic Hwy. Lincolnville, ME 04849	558.	Louise Tate 55 Deake St. South Portland, ME 04106
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549.	Raymond Pineau 44 Lavoie St. Jay, ME 04239-1624	560.	Mike D'arcangelo 82 Daggett Dr. Raymond, ME 04071-6442
550.	Robert Foster 206 Front St. South Portland, ME 04106	561.	Kenneth Austin 32 Pinewood Dr. Belgrade, ME 04917-3500
551.	Wendy Flaschner 74 Old Kents Hill Rd. Readfield, ME 04355	562.	Patricia Prieto 48 Sheffield St. Portland, ME 04102-2707
552.	Britt Rose 24 South St. Freeport, ME 04032-1538	563.	William Nelson 156 High St. Belfast, ME 04915-6549
553.	Jeanne Handy 189 Saint John St. Portland, ME 04102-3014	564.	Darwin Hatheway 10 Middle St Apt 1 Hallowell, ME 04347
554.	Nancy Treadwell 45 Plymouth Grove Dr. Kennebunk, ME 04043-6999	565.	Sharon Balzer 15 Beach Bluff Ter. Cape Elizabeth, ME 04107-2101
555.	Shanda Vincent 229 Tuttle Rd. Pownal, ME 04069-6345	566.	James Parakilas 85 Pinewoods Rd. Lewiston, ME 04240

Proposed Rule Chapter 888 Designation of four members of the Chemical Class 'Phthalates' as Priority Chemicals

567.	Christianna Skoczek 44 Miller Rd. Kittery Point, ME 03905-5644	578.	Jock Winchester Po Box 242 New Harbor, ME 04554-0242
568.	Kristine Gustavson 7 River View Ter. Greene, ME 04236-3717	579.	Earl Morse 39 Whiting Ave. Waterford, ME 04008-0202
569.	Beth Sehlmeyer 14b Park Ave. Kittery, ME 03904-1510	580.	Linda Stevens 28 Hearn Rd. Scarborough, ME 04074-9136
570.	Thomas Tripp 34 Canterbury Rd. Brewer, ME 04412-1606	581.	Eduardo Duarte 17 Kenwood St. Portland, ME 04102-2704
571.	Marion Messenger Po Box 212 Wayne, ME 04284-0212	582.	Michelle Lesperance 103 Candlewyck Ter. Portland, ME 04102-1517
572.	Janet Roberge 12 Thomas Ave. Berwick, ME 03901-2330	583.	Michael Porter 27 Soule Rd. Chebeague Island, ME 04017-3034
573.	Paul Beltramini 79 Carding Machine Rd. Bowdoinham, ME 04008-5409	584.	Sharon Peralta 82 Stanley Rd. Springvale, ME 04083-6305
574.	Richard Matthews 15 River Rd. Philips, ME 04966-4000	585.	John Mollica 9 Hedgerow Dr. Cumberland Center, ME 04021-4025
575.	Lorrel Nichols 10 Zeitler Farm Rd. Brunswick, ME 04011	586.	Ben Bernard Po Box 70 Cliff Island, ME 04019-0070
576.	Theresa Crosby 11 Alora St. Lisbon Falls, ME 04252-1442	587.	Shawn Kane 135 Hidden Lake Rd. Otisfield, ME 04270
577.	Richard Flanagan 179 Covell Rd.	588.	Julie Trudel Charette Hill Rd.

Fairfield, ME 04937-3137

Fort Kent, ME 04743

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	8		
589.	Michael Rauth 43 LongMeadow Rd. Scarborough, ME 04074-8413	600.	Mary Saunders 27 High St. Limestone, ME 04750-1315
590.	Martha Young 27 Zion Rd. Wellington, ME 04942-8608	601.	Trish Stevens 142 N Dixmont Rd. Troy, ME 04987-3036
591.	Colleen McKenna 85 Old Pennellville Rd. Brunswick, ME 04011-7911	602.	Sarah Bischoff 21 Old Fort Rd. Cape Elizabeth, ME 04107
592.	Barbara Schenkel Po Box 2133 South Portland, ME 04116-2133	603.	Jenny Radsma UMFK, 23 University Drive Fort Kent, ME 04743
593.	Denise Damboise 169 Town Farm Rd. New Gloucester, ME 04260-4435	604.	Richard Garrett 27 Zion Rd. Wellington, ME 04942-8608
594.	David White 1552 State Highway 102 Bar Harbor, ME 04609-7149	605.	Don Fuller Po Box 9 Peru, ME 04290-0009
595.	Stephen Neil 288 Libby Rd. Pownal, ME 04069-6329	606.	Jane Sloven 367 Summit St. Portland, ME 04103-2242
596.	Carl Hevey 9 Myrtle St. Biddeford, ME 04005-3507	607.	Dr. Rebekka Freeman Po Box 284 Belfast, ME 04915-0284
597.	Sarah Waite 44 Wellstone Dr. Portland, ME 04103-2771	608.	Om Devi Reynolds 551 Mayberry Hill Rd. Casco, ME 04015
598.	Barrie Colbath 215 Fayette Ridge Rd. Fayette, Maine 04349-3414	609.	Diana Rigg 11 Applewood Ln. Camden, ME 04843-2079
599.	N David Semon 87 Baker Rd. Freeport, ME 04032-6627	610.	Bill Nave 9 Turkey Ln. Winthrop, ME 04364-4131

611.	Jane Sanford 57 High St. Belfast, ME 04915-6245	622.	Cokie Giles 341 Parkway S Brewer, ME 04412-1721
612.	Kathy Carlson 11 Friar Ln. Cumberland, ME 04021-4103	623.	Steve Hudson 17 Park View Ln. Southwest Harbor, ME 04679-4238
613.	Peggy Drake Po Box 94 Steuben, ME 04680-0094	624.	James St. Pierre 9 Union St. Hallowell, ME 04347-1365
614.	Charles Anderson 65 Cranberry St. Wells, ME 04090-3743	625.	Tricia Naddaff 11 Fessenden Rd. Cape Elizabeth, ME 04107-9538
615.	Bill Creighton 74 Bow St. Freeport, ME 04032-1544	626.	Wanda Webber 1 Colonial Drive Brunswick, ME 04011-3203
616.	Harriet Modr 247 Basin Point Rd. Harpswell, ME 04079	627.	Scott Reed 124 Ohio Hill Rd. Fairfield, ME 04937-3436
617.	Jan Roberge 12 Thomas Ave. Berwick, ME 03901-2330	628.	Nina Schmir 39 Congress St. Portland, ME 04101-3655
618.	Jeff Lind 505 Emerys Bridge Rd. South Berwick, ME 03908-1938	629.	Jim Riley Po Box 530 Berwick, ME 03901-0530
619.	Ronald Small 830 Knowlton Corner Rd. Farmington, ME 04938-6219	630.	Joyce Racine 246 Auburn St. Apt 119 Portland, ME 04103-2163
620.	William White 8 Moose Ledge Ln. Phippsburg, ME 04562-5266	631.	Gabriel J. Godwyne 518 Cross Rd Putney, VT 05346-9092
621.	Ken Converse 474 S. Bridgton Rd. Bridgton, ME 04009-3942	632.	Christine A. Detroy 43 Willow Grove Rd. Brunswick, ME 04011-2965

Designation of four members of the Chemical Class 'Phthalates' as Priority Chemicals

633.	Meeghan Mclain 64 Hillside St. Yarmouth, ME 04096-8343	644.	Robert Greenberg 56 Brookside Rd. Portland, ME 04103-4611
634.	Janet Efron 2 Wabun Rd. Cape Elizabeth, ME 04107-2831	645.	Mike D'arcangelo 82 Daggett Dr. Raymond, ME 04071-6442
635.	Oksana Lane 246 Canco Rd. Portland, ME 04103	646.	Leroy Smith 4597 Sunset Dr. Lockport, NY 14094-1225
636.	Marjorie Monteleon 85 Herrick Rd., Po Box 1302 Southwest Harbor, ME 04679-4434	647.	Mary Newman 32 Sawyer St. Portland, ME 04103-3451
637.	William Everitt 14 Vernon Pl. Portland, ME 04101-2807	648.	Hesper Schleiderer-Hardy 19 Tufts Rd. Wells, ME 04090-7426
638.	Valerie Heath 36 Boody St. Brunswick, ME 04011-3047	649.	Caroline Thorne-Lyman 32 Beech Hill Rd. Freeport, ME 04032-6713
639.	J. Winchester Po Bo X242 New Harbor, ME 04554-0242	650.	Kim Favreau 98 Johnson Rd. Falmouth, ME 04105-1233
640.	James Masterson 963 River Rd. Saint George, ME 04860-4620	651.	Linden Thigpen 148 Hillside Ave. South Portland, ME 04106-4816
641.	Kimberly Potts 14 Line Dr. North Yarmouth, ME 04097-6555	652.	R.C. Petersen Jr. 105 Horace Mills Rd. Wells, ME 04090-6516
642.	Deborah Murphy 24 Pilot Point Rd. Cape Elizabeth, ME 04107-2825	653.	Sally Trice 100 Dorset St. Portland, ME 04102-1103
643.	Helen Anderson 180 Delaware Ct. Portland, ME 04103-6109	654.	D. Mason 3 Orchard Rd. Windham, ME 04062-4424

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666.	Eleanor Lacombe 61 North Rd. Hope, ME 04847-3307	677.	Michael Toobert 667.212 Mallard Dr. Gross Valley, CA 95945-5745
667.	David Laing 12 Cape Jellison Rd. Stockton Springs, ME 04981-4352	678.	John Markowski Po Box 500 Edgecomb, ME 04556-0500
668.	Roger Condit 141 Eastmont Sq. Farmington, ME 04938-7023	679.	Allan Strouss 121 Dover Rd. Boothbay, ME 05437-4306
669.	Steve Harmon 22 Hannaford Cove Rd. Cape Elizabeth, ME 04107-9505	680.	Doris Hennedy 25 First St. Biddeford Pool, ME 04006
670.	Christine Hopf-Lovette 128 Federal St. Wiscasset, ME 04578-4015	681.	Debbie McCarthy 188 Hare St. Phillips, ME 04966-4340
671.	John Pincince Po Box 172 Lincolnville, ME 04849-0172	682.	Maurice Neault 59 Main St. Canaan, ME 04924-3401
672.	Caren Minzy 195 Back Narrows Rd. Boothbay, ME 04537-5102	683.	Diane Lee PO Box 12 Mount Vernon, ME 04352-0012
673.	Flo Wilder Po Box 436 Hancock, ME 04640-0436	684.	George Seel 710 West Rd. Belgrade, ME 04917-4215
674.	E. Scott Dow 80 Allenwood Park Rd. Augusta, ME 04330-0913	685.	Theron Wentworth 4 Wells Ct. Kennebunk, ME 04043-7035
675.	Ann Webber 369 Mary Jane Rd. Buxton, ME 04093-3144	686.	Lanier Hines 3015 Catalpa Ct. Redding, CA 96002-2290

687.	William Sharfman 50 Riverside Dr. New York, NY 10024-6555	698.	Joseph Mccarthy 265 Beans Corner Rd. New Sharon, ME 04955-3218
688.	Priscilla Skerry 95 Emery St. Portland, ME 04102-3781	699.	Peggy York 128 Summit Park Ave. Portland, ME 04103-2820
689.	Stephen Ross 92 Nichol St. South Paris, ME 04281-6584	700.	Frank Ridley 211 Eaton Hill Rd. Solon, ME 04979-3329
690.	Douglas Hardy 11 Cluf Bay Rd. Brunswick, ME 04011-9349	701.	Anne Olivio 79 Jordan Ave. Brunswick, ME 04011-1614
691.	Julia Ventresco, Private Ellsworth, ME 04605-1343	702.	Will Blake 12 School St. Bath, ME 04530-2552
692.	John Martin 8287 Hickory Dr. King George, VA 22485-4104	703.	Richard Johnson Sr. 32 Summer St. Hampden, ME 04444-1212
693.	Deborah Endl 14 Trim St. Camden, ME 04843-1626	704.	Michael Percy 262 Back Rd. Brooklin, ME 04616-3429
694.	John Bernard 56 Mildred St. South Portland, ME 04106-2727	705.	Linda Murnik 50 Federal St. Portland, ME 04101-4202
695.	Margaret Williams 123 Hills Beach Rd. Biddeford, ME 04005-9540	706.	
696.	Joan Russo 10 Old Blue Point Rd. Scarborough, ME 04074-7600	707.	Jean Noon 78 Sunset Rd. Springvale, ME 04083-6024
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710.	Melinda Small 10 Tibetan Trak Harpswell, ME 04079-3478	721.	Robert Crosen 12 Hillcrest Dr. Cumberland Center, ME 04021-4009
711.	Peter Darling 7 Apple Tree Ln. Cape Elizabeth, ME 04107-5100	722.	Helen Balgooyen 256 Oak Hill Rd. Norridgewock, ME 04957-4021
712.	Kathleen Edgar 562 Harpswell Neck Rd. Harpswell, ME 04079-2808	723.	Mj Crowe 12 Vine St. Belfast, ME 04915-6920
713.	David Chipman 25 Thornton Way Apt. 325 Brunswick, ME 04011-3287	724.	Stephen Underwood 17 Schooner Rd. Scarborough, ME 04074-8775
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717.	Sally And Bill Howell 25 Thistle Point Ln. Phippsburg, ME 04562-4350	728.	Jeanne Lombardi Po Box 709 York Harbor, ME 03911-0709
718.	Christina Thomas Colby College Waterville, ME 04901	729.	Sally Trice 100 Dorset St. Portland, ME 04102-1103
719.	Judy Savage 23 Running Tide Dr. Sackbarrough MF 04074 0002	730.	Doris Luther River Road Hellis Center, ME, 04042, 0000

Scarborough, ME 04074-9093

Hollis Center, ME 04042-0000

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733.	Susan Wind 274 Limerock St. Rockland, ME 04841-2232	744.	Katherine Rhoda Po Box 58 Hiram, ME 04041-4549
734.	Jolene Lemelin 46 Sycamore Ln. Kennebunk, ME 04043-7177	745.	Willow Femmechild 81 Morning St. Portland, ME 04101-4429
735.	James Chalfant 18 Winter St. Rockport, ME 04856-6121	746.	Bob Boothe 54 Cottage Park Rd. Portland, ME 04103-8000
736.	William Moss 41 Beech St. Rockland, ME 04841-2902	747.	Jeff Hopkins 69 Amber Ct. Lindenhurst, Il 60046-7912
737.	John Davidson 74 Central Ave. Waterville, ME 04901-6214	748.	Elizabeth Perry 5 Lahave St. South Portland, ME 04106-4901
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739.	Lori Proos 58 Old Post Rd. York, ME 03909-5812	750.	Kimberly Rigano 58 Old Post Rd. York, ME 03909-5812
740.	Michelle Laughran 20 Pine Dr. Standish, ME 04084-5217	751.	Leonard Poulin 6 Richard Rd. Gorham, ME 04038-2064
741.	Barbara West 17 S River Rd. Arrowsic, ME 04530-7218	752.	Tarik Sivonen 6 Sokokis Cir. Saco, ME 04072-1874

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754.	Leah Wentworth 259 Log Cabin Rd. Arundel, ME 04046-7720	765.	Sassy Smallman 1 Florence Cir. Kennebunk, ME 04043-7252
755.	William Locke 255 Mere Point Rd. Brunswick, ME 04011-7723	766.	Mary Sohl 162 Ridlonville Rd. Sweden, ME 04040-5218
756.	Janine Moore 32 Gilman St. Waterville, ME 04901-5441	767.	Linda Pankewicz 9 Pulpit Rock Rd. Raymond, ME 04071-6560
757.	Gail Williams 157 Howes Cove Rd. Liberty, ME 04949-3732	768.	Peggy Stevens Po Box 74 Isle Au Haut, ME 04645-0074
758.	Jeanne Schacker 60 Harriet St. South Portland, ME 04106-2003	769.	Ann Mclaughlin Po Box 423 Damariscotta, ME 04543-0423
759.	Jackie Elliot 148 West Rd. Waterboro, ME 04087-3210	770.	Stephen Fournier 1495 North Rd. North Yarmouth, ME 04097-6702
760.	Phoebe Barnes Po Box 676 Southwest Harbor, ME 04679-0676	771.	Nancy Grayson 100 State St. Portland, ME 04101-3747
761.	Dyan Albano 11 Arthur St. Portland, ME 04103-1932	772.	Carol M. Larson 23 Laurel Pines Dr. Gorham, ME 04038-1654
762.	David Boyer 3 Kerry Gdns. Belfast, ME 04915-6167	773.	Laurie Davis 134 Oakdale St. Portland, ME 04103-4441
763.	James Sullivan 25 Page St. Hallowell, ME 04347-1418	774.	Tim Mommers 24 Bog Rd. Brownfield, ME 04010-4221

775.	Kathleen Zambello 21 Mackworth Ln. Cumberland Foreside, ME 04110-1325	786.	Bonnie Ginger 87 Bryers Cir. Boothbay, ME 04537-4840
776.	Robin Swennes 6 Chapman Ln. Kennebunk, ME 04043-6289	787.	Paul Breeden 19 Willow Brook Ln. Sullivan, ME 04664-3146
777.	Susan Siens 51 Libby Hill Rd. Unity, ME 04988-3414	788.	Mary Serina Po Box 115 East Boothbay, ME 04544-0115
778.	Susan Camp 526 Monroe Rd. Winterport, ME 04496-4627	789.	Michael Stevens 12 Cliff Rd. New Harbor, ME 04554-4910
779.	Ann Geller 108 Orchard St. Farmington, ME 04938-5926	790.	Nancy Wilds 35 Bangs Shore Rd. Orrs Island, ME 04066-2406
780.	Barbara Smith 252 Spurwink Ave. Cape Elizabeth, ME 04107-9613	791.	Hera Gerber 13482 Mason Village Ct. Saint Louis, MO 63131-1011
781.	Mary Bacon Po Box 221 Mount Desert, ME 04660-0221	792.	Rebecca Seel 710 West Rd. Belgrade, ME O4917-4215
782.	Marcia White Po Box 234 Stratton, ME 04982-0234	793.	David Kirstein 8 Phinneas Ln. Scarborough, ME 04074-7904
783.	Jeffrey Collins 33 Pond Rd. South Portland, ME 04106-3131	794.	Rob Nobrega 3601 N Military Trl. Boca Raton, FL 33431-5507
784.	Jean K. 22 Elsemere Ave. South Portland, ME 04106-4934	795.	Kate Winn 12 Hamilton St. South Portland, ME 04106-4436
785.	George Muller 120 Portland St. South Berwick, ME 03908-1224	796.	Stan Davis Wayne, Maine

797.	Rick Gaffney Po Box 84 West Poland, ME 04291-0084	805.	Daniel Gregoire 19 Mitchell St Lewiston, ME 04240
798.	Gail L. Carlson, Ph.D. Colby College Waterville, ME	806.	Aaron Kinutson 101 Crestview Lane Brunswick, ME 04101
799.	Shanna Swan, Ph.D. Soo Churl Cho, MD, PhD Philip J. Landrigan, MD, MSc, FAAP Kimberly Yolton, PhD	807.	Melissa Kinutson 101 Crestview Lane Brunswick, ME 04011
	Frederick vom Saal, PhD Bruce Lanphear, MD, MPH Gail L. Carlson, PhD * R. Thomas Zoeller, PhD	808.	Sylvia Garrison 220 Lewiston Rd Topsham, ME 04086
	Sydney R. Sewall, MD, MPH Veena Singla, PhD Sarah Janssen, MD, PhD, MPH	809.	Karen Gay karen9692@gmail.com
	Steven G. Gilbert, PhD, DABT Richard Clapp, DSc, MPH Ted Schettler, MD, MPH Jennifer B. Sass, PhD	810.	Marguerite Pennoyer, MD, FAAAI (represented by Ed Miller, American Lung Association of Maine) Allergy, Asthma and Immunology
800.	Deborah Rice, PhD * <i>duplicate</i> Malory Otteson Shaughnessy		200 Professional Drive, Suite One Scarborough, ME 04074
000.	45 Prospect Street Portland, ME 04103	811.	John Weaver LFK Portland
801.	Sandra Cort 125 Harrisburg Ave #8 Westbrook, ME 04092	812.	Laura Ker Find Portland
802.	Jo-Ann Gregoire 19 Mitchell St Lewiston, ME 04240	813.	Carolyn Fernald Nomad's Portland
803.	David C. Gay davidcgay@gmail.com		
804.	Hilary Cocker 170 Ward Rd Topsham, ME 04086	814.	Deanna Fernandez Dirt Road Designs Windham

815.	Todd Russell The Merchant Company Portland	826.	Se-Jong Park Sun Oriental Market Portland
816.	Matt Atilsen Hallowed Ground Body Art Portland	827.	Chris Bowe Longfellow Portland
817.	Donato Giovine Gorgeous Gelato Portland	828.	Chris Cutshall Odessey Whale Watch Portland
818.	Alysia Zoisis East End Cupcakes Portland	829.	Lisa Belanger Art by Lisa Portland
819.	David Levi Vinland Portland	830.	Peggy Nichols Lee Silver Teardrops Portland
820.	Breendan Evans Strange Maine Portland	831.	Robert Sevigny The Paper Patch Portland
821.	Andrew Chang Moody Lords Portland	832.	Andres Verzosa Aucocisco Galleries Portland
822.	Jenny Davis Haberdashery Portland	833.	Mike Fink Guitar Grave Portland
823.	Jessica Yandell Hair Love Portland	834.	Leo Pelletier Gall Art Portland
824.	Sidnay Ferrelli Satya Sanctuary Portland	835.	Jeffery Weeks Bang Portland
825.	Jasmine Clayton Kurier Portland	836.	Will Condon The Higher Concept Portland

Proposed Rule Chapter 888
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837.	Mike Breton Electric Buddhas Portland	848.	Nancy Waldron Maine by Mainers Bangor
838.	Thomas Gehrict Found Portland	849.	Dennis J. Watson Burr Printing Bangor
839.	Jenny Smick She-Bear Gallery Portland	850.	Cynthia Cavanaugh Best Bib and Tucker Bangor
840.	Constance Boivin Charles Inn Bangor	851.	Timothy Gallon Black Bear Brewery Orono
841.	Paul Zebiak Maritime International Bangor	852.	Phoebe Fask Hair After, Orono
842.	Theresa Soucy Aqua Pura Bangor	853.	Deidra Fournier Hair After Orono
843.	Irma Card Nurture ME Bangor	854.	Juli Aghamoose Orono Pharmacy Orono
844.	Bernadette Gaspar Frank's Bake Shop Bangor	855.	Robert M. Bradson The Store Ampersand Orono
845.	Jonathan Lambert Yankee Cobbler Bangor	856.	Victoria K. Erker Front Porch Books Orono
846.	Sadie Flood Everex Bangor	857.	Jim Rose Rose Bicycle Orono
847.	Chris Ruhila Ruhin Corp Bangor	858.	Summer Allen Valentine Footwear Bangor

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859.	Tracy Thibodeau Associated Design Partners Inc. Falmouth	870.	David White MDI Imported Car Service Inc. Bar Harbor
860.	Joseph Kennedy Kennedy Plumbing Ripley	871.	Doris Luther Mediation & Conflict Resolution Services Hollis
861.	Craig Saddlemire Round Point Movies Lewiston	872.	Lori Hussey Ava Anderson Non-Toxic Wells
862.	Elizabeth A. DellaValle AICP Portland	873.	Geno Scalzo DESC Owls Head
863.	Ken Converse Quality Images Bridgton	874.	Mary Driscoll Madris Belfast
864.	Anna Myerson The Legitimate Company Camden	875.	Albert Nickerson I Love Flowers Biddeford
865.	Ken Converse Quality Images Bridgton	876.	Dale King Appaloosa Antiques Scarborough
866.	Ann Gold Pole Star Maritime Woolwich	877.	David Daniels and Jodee Davidson Middle Jam Sessions Standish
867.	Grank Ridley Different Drummer Workshop Solon	878.	Sally Sawyer Mountain Greenery Greenhouse Bethel
868.	Theron Wentworth Wentworth-Allen Fine Woodworking, Kennebunk	879.	Claire Mortimer, MSN, FPN Many Paths of Healing LLC Blue Hill
869.	Kathy Missal Recycling Retro Woolwich	880.	Marie Guey Marie Guey Psychiatry York

881.	Jacqueline Grohoski, RN Ed's Electric Inc. Ellsworth	892.	Noah Defilippis Pinecone & Chickadee Portland
882.	Steven Konstantino Maine Green Building Supply Portland	893.	Jessica Hunter Ethan Hunter Salon Portland
883.	Meredith West Black Parrot Portland	894.	Ben Butler Ben's Old Port Barber Shop, Portland
884.	Jennifer Leigh * O2 Salon & Spa Portland	895.	Mallory Doria Men's Room Portland
885.	Shawn Durost * Salon Paragon Portland	896.	Burke Fournier * Salon Burke Portland
886.	Stacey Witham Adorn Hair and Nail Spa Portland	897.	Kristna Moran Salon KLM Portland
887.	Hilary Sinauer Blanche and Mimi Portland	898.	Kim Pauley Just Kim Portland
888.	Cassandra Freedman Lots of Tots Falmouth	899.	Nick Rosolino The Mind Gift Shop Portland
889.	Christina Archambault * Trimmings Falmouth	900.	Marie Steele Lisa-Marie's Made in Maine Portland
890.	Julie Steinbach Rainbow Toys Falmouth	901.	Tia Webb * Trims & Fade Portland
891.	Chelsey Sewell Amore Styles Portland	902.	Carmen Westa Cornerstone Barber Shop Bangor

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903.	Cathy Anderson The Briar Patch Bangor	914.	Amy Ducharme * Studio Allure Topsham
904.	Tracy Monaghan Metropolitan Soul Bangor	915.	Kelley Keenan * Kelly's Salon Bath
905.	Betsy Lundy Central Street Farmhouse Bangor	916.	Crystal Esculanal * Centre Street Hair Studio Bath
906.	Bob Gilgan * Bella Hair Studio Bangor	917.	Lanu French * Para Vida Day Spa Brunswick
907.	Sharon Carter * Country Clipper Style Salon Albion	918.	Pattie Baker Summer Island Studio Brunswick
908.	Jonathan Kenyon * Apollo's Salon & Spa Waterville	919.	Allen Irving * Wilde Oats Bakery Brunswick
909.	Erica Lestrange * Prime Cute Hair Nail &Tanning Waterville	920.	Brittany Feltovic Bard Coffee Portland
910.	Pam Harrington * Total Image Waterville	921.	Jen Atkinson The Blue Lobster Portland
911.	Mary Lou Martin * Classic Cuts Winslow	922.	Kelly Fernald Nomads Portland
912.	Nancy Shiples * Gerry's Beauty Clinton	923.	Charline Edwards City Slickers Salon Portland
913.	Raymond Harris * Evolution Salon Winslow	924.	Sam Smith Lucky Ju Ju Portland

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925. Ryan Wilson

Til' Death Tattoo

Portland

926. Nelly Hall

CS Boutique

Portland

927. Thomas Grant

Simply Scandinavian

Portland

928. John Mina

Curry Printing

Portland

929. Marion and Mackenzie Morris

Etain

Portland

930. Meg Donovan

Casco Variety

Portland

931. Phil Coupe

Revision Energy

Portland/Liberty

932. Bettyann Sheats *

Finishing Touches Shower Doors

Auburn

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933. Academy of Little Learners

American Academy of Pediatrics - Maine

Chapter

American Association of University Women

American Nurses Association – Maine

Belfast Co-op Bella Luna Toys

Brigham Montessori School Central Maine Labor Council Citizens For a Green Camden Citizens For a Green Gorham

Citizens For a Green Scarborough

Coalition for Maine Woman

Colleen A. Detour HoME Daycare Conservation Law Foundation

Disability Rights Center **Environment Maine**

Environmental Health Strategy Center* Family Planning Association of Maine

G.E.A.R. Parent Network

Learning Disabilities Association of Maine

Learning Tree Preschool Life Academy Daycare

Lorrie Goodrich Home Daycare Mabel Wadsworth Health Center Maine Centers for Women, Work, and

Community

Maine Children's Alliance

Maine Choice Coalition

Maine Conservation Voters

Maine Council of Churches

Maine Developmental Disabilities Council

Maine Equal Justice Partners

Maine Labor Group on Health

Maine Medical Association

Maine Organic Farmers and Gardeners

Association

Maine Osteopathic Association Maine Parent Teacher Association Maine Peoples Resource Center Maine Primary Care Association Maine Public Health Association

Maine Rivers

Maine Small Business Coalition

Maine Women's Lobby

Maine Women's Policy Center * Morning Glory Natural Food Store

National Association of Social Workers –

Natural Resources Council of Maine

North Yarmouth Academy

Northwest Atlantic Marine Alliance Physicians for Social Responsibility * Planned Parenthood of Northern New

England

Prevent Harm * The Gazebo School Toxic Action Center Voter Education Brigade

934. American Academy of Pediatrics

> Maine Academy of Family Physicians Maine Public Health Association *

Maine Medical Association *

Maine Primary Care Association *

Physicians for Social Responsibility Maine

Chapter *

Maine Osteopathic Association *

Supplemental Basis Statement Citizen Petition to Initiate Rulemaking Proposed Rule Chapter 888

Designation of four members of the Chemical Class 'Phthalates' as Priority Chemicals

Comments Regarding Amended Draft Rule February 2015

1b.	Javaneh Nekoomaram Stephen Wieroniey American Coatings Association 1500 Rhode Island Ave, NW Washington, DC 20005	11b.	Andy Jones Toxics Action Center 142 High Street, Suite 624 Portland, Maine 04101
2b. 3b.	Amanda Painter Sue Hartman	12b. 13b.	Paul Sheridan 88 Hart Road Northport, Maine 04849 Carla Whitehead
4b.	Tracy Gregoire Learning Disabilities Association of Maine	14b.	Jim Melloh
5b.	Anna Libby Maine Organic Farmers and Gardeners Association PO Box 170	15b.	Priscilla Jenkins 67 Mallard Lane Winthrop, Maine 04364
	Unity, Maine 04988	16b.	James Keene
6b.	Mary Anne Libby Mt. Vernon, Maine	17b.	Roberta Brezinski Durham, Maine
7b.	Megan Rice Belgrade, Maine	18b.	David Adams Yarmouth, Maine
8b.	Beth Ahearn Maine Conservation Alliance	19b.	Margaret Huskey Pownal, Maine
9b.	Freeport, Maine Emma Halas-O'Connor Environmental Health Strategy Center	20b.	Rosamond Brown Freeport, Maine
	565 Congress Street, Suite 204 Portland, Maine 04101	21b.	Sally Chappell 60 Punkin Valley Drive Bridgton, Maine 04009
10b.	Jarryl Larson Edgecomb, Maine	22b.	Kimberly Capone-Sprague

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Designation of four members of the Chemical Class 'Phthalates' as Priority Chemicals

23b. Karen D'Andrea Physicians for Social Responsibility – Maine PO Box 4744

Portland, Maine 04112

24b. Kate Elmes Woolwich, Maine

25b. Erica Lowell Gray, Maine

26b. Sandra Cort Westbrook, Maine

27b. Bob Klotz 10 Whitehall Ave South Portland, Maine

28b. Mary Anne Royal 141 Lebanon Road Winterport, Maine 04496

29b. Bettyann Sheats Auburn, Maine

30b. Sally Howlett

31b. Lucy Quimby 1230 Kenduskeag Ave Bangor, Maine 04401

32b. Peter Sirois 449 Preble Ave Madison, Maine 04950

33b. Carole Sargent

34b. Lisa Miller

35b. Helen Peake-GodinPhysicians for Social Responsibility –Maine

36b. April Thibodeau Newcastle, Maine

Health

- 1. Comment: Commenter was one of 25 people tested in Maine for phthalates, noting that all participants tested positive for some level of phthalates in their body. Commenter states that phthalates can cause birth defects in boys, learning disabilities, asthma, and reproductive harm. Commenter states concern for workers in the manufacturing process who are directly exposed to phthalates and for consumers purchasing finished products. Commenter states that there is a body of evidence indicating that even low levels of exposures to phthalates can cause hormone disruption and other harmful effects, and goes on to state that environmental and occupational regulatory agencies have largely ignored them to date. Commenter states that his affiliated organization demands that the Maine DEP ensure that this proposed rule is adopted because we all have a basic human right to live and work in a clean and healthy environment, stating that our laws and rules must protect and ensure these rights. (20)
- 2. Comment: Commenter states that phthalates are anti-androgenic compounds; they interfere with the expression of male testosterone which is essential for the normal development of the reproductive system of boys. Commenter claims that this results in an increased risk of birth defects in males. Commenter claims to have 25 years' experience delivering babies and has seen many cases of hypodpadias (the urethra exits from the bottom of the penis) and believes this is becoming more common. Commenter states that the disruption of the natural expression of testosterone may also result in decreased fertility in adult males. Commenter claims phthalate exposure is also linked to adverse changes in brain function, poor development in infancy, poor intellectual function during childhood and poor social behavior, including decreased IQ and other cognitive deficits. Commenter states that the lack of disclosure of phthalates in consumer products does not give consumers the information they need to avoid these potentially toxic substances. Commenter states that children have higher levels of phthalates in their bodies as a consequence of their increased exposure. Commenter strongly urges the Maine DEP to add these four additional chemicals to the priority list. (23)
- 3. Comment: Commenter is aware of the challenges and costs incurred by families with children and adults that have behavioral and developmental disabilities. Commenter claims that approximately 13% of children in the U.S. have a developmental disability, that according the U.S. CDC an average of 1 in 68 children in the U.S. have an autism spectrum disorder, the prevalence of ADHD has increased an average of 5.5%, and in Maine, 9% of children were diagnosed with ADHD in 2007. Commenter states that the incidence of these types of disabilities is rising every year at an alarming pace. Commenter believes that environmental exposure to toxic chemicals may be a factor, as the National Academy of Sciences committee on Developmental Toxicology estimates that at least 28% of developmental defects are caused in whole or part by environmental exposure to toxic chemicals. Commenter states that children are

most vulnerable to toxic chemicals like phthalates because they eat drink and breathe more than adults do and that studies show that fetal exposure to phthalates can be especially harmful and may lead to neurological and learning challenges. Commenter states that scientific studies have shown that exposure to phthalates in the womb, during infancy, or in childhood, can set the stage for life-long adverse health effects. Commenter cites 18 studies linking phthalates to neurological and developmental harm (commenter notes that these studies will be submitted into the record by a different commenter). Commenter cites a myriad of adverse health effects due to exposure to phthalates at various stages of life and that phthalate levels were higher in children with autism spectrum disorders. Commenter states that consumers are left in the dark without information about which products contain phthalates and supports the adoption of proposed rule chapter 888. (9)

- 4. Comment: Commenter believed to have been protecting family against harmful chemicals by limiting exposure through healthful choices, e.g. eating organic foods and choosing glass instead of plastics. Commenter was a participant in a study of phthalate levels in a group of Maine citizens and had the highest total level of phthalates in the group (specifically diethyl phthalate (DEP)). Commenter cites the Chronic Hazard Advisory Panel report released in 2014 stating that there is an urgent need to reduce exposure to DEP particularly for women of commenter's age. Commenter states that this same report also concludes that products marketed to children are not the major source of phthalate DEP exposure, which means gathering information about their use in other products used in the home is the start. Commenter states that information about where exposure to phthalates might take place is frustrating because information about their use is almost non-existent; they are not listed on labels of products and may be hidden behind the word fragrance. Commenter is concerned about the adverse health effects of phthalates on boys. Commenter states that the chemical safety system at the federal level is out of date and is criminal, and that in Maine the Toxic Chemicals in Children's Products law has put in place measures that will protect us. (8)
- 5. Comment: Commenter states that we must adhere to the precautionary principle; if a chemical has a suspected risk of causing harm the burden of proof that it is not harmful falls on those promoting use of that chemical. Commenter states that phthalates migrate out of virtually every product, particularly the four forms that we want to ban [sic] today that have short side chains, causing them to be ingested through our skin, in our food and as we breathe. Commenter states that phthalates are endocrine disruptors and exposure to them is linked to birth defects, abnormal development, male reproductive damage, learning and behavioral problems, obesity, asthma and allergies, and is linked to greater risk of prostate and testicular cancer. Commenter participated in a group of Maine citizens tested for phthalates present in their bodies, which found detectible levels of phthalates, some at higher levels than those found in the average American. Commenter considers whether his own prostate cancer may have been caused by exposure.

Commenter notes that the U.S. CDC biomonitoring studies reveal the presence of phthalates in virtually all Americans, with higher levels found in children than adults, and women having levels above safe values. Commenter states that the question before the board [sic] is whether the data linking phthalates to disease is strong enough to outweigh their commercial value. Commenter notes that an online search reveals the battle lines between the American Chemical Institute and health professionals. Commenter states that this legislation [sic] is supported by good data and states that Maine physicians are in strong support of this proposal and urges the DEP to adopt this low-burden, high impact rule. (3)

- 6. Comment: Commenter states that the four phthalates named in the proposed rule were chosen from the six listed on Maine's CHC because of the overwhelming evidence that these four present serious risk to human health. Commenter states there are hundreds of toxicity studies documenting adverse effects; these phthalates are endocrine disruptors and developmental toxicants. Commenter states that exposure results in: abnormalities in the reproductive organs of the male fetus; changes in brain chemistry and behavior; and, sensitization of the immune system. Commenter states that there are also documented studies linking exposure to adverse behavioral effects, increased asthma and allergic responses, and other adverse effects in children. Commenter states that dozens of human studies have documented the presence of these phthalates in most people, as the U.S. CDC also reports these and other phthalates are present in most people through its ongoing biomonitoring efforts which show levels are higher in children than adults. Commenter states that phthalates are free to migrate out of products and have been found in house dust and indoor air. Commenter notes the CHAP of U.S. CPSC has reaffirmed that these phthalates continue to pose a serious risk to human health because so many sources of exposure remain unregulated. Commenter states that the phthalate DEP is not present in children's toys or childcare articles, and that the CHAP asserted that exposure to this phthalate from personal care products, pharmaceuticals, and diet can be substantial and stated there is an urgent need to implement measures to reduce exposure to this particular phthalate. Commenter states that with substantial evidence of hazard and exposure to these phthalates it is only reasonable that the public and government agencies be able to identify the products that are the sources of exposure. (2)
- 7. Comment: Commenter states that phthalates are produced at very high volumes and used as softeners and solvents in many consumer products, and are released from these products through normal use and are ubiquitous in human tissues. Commenter states that it is well established that phthalates are endocrine disruptors and interfere with proper hormone function in humans and lab animals. Commenter states that phthalates have anti-androgenic effects, resulting in inhibition of proper hormone function. Commenter states that a vast body of scientific research demonstrates that phthalate exposure can harm the health of our children, and the first step to

protecting them is requiring public disclosure of phthalate use in consumer products so that we may understand how phthalate exposure occurs. (798)

- 8. Comment: Commenter states that there is a well-founded scientific basis to adopt the proposed rule and that the lack of disclosure of phthalates in more consumer products presents a serious impediment to efforts to reduce exposure. Commenter states that phthalates are anti-androgenic, interfering with the reproductive system of boys and they disrupt the natural expression of testosterone. Commenter states that prenatal exposure to phthalates is associated with serious birth defects in males, added childhood exposure, and adverse effects include brain function and social behavior. Commenter states that "developmental exposure" to phthalates is linked to other adverse health effects, including asthma and changes in metabolic function. Commenter states that phthalates are present in household dust and indoor air due their widespread use in hundreds of everyday products and building materials found in the home and are free to migrate out of products. Commenter states that children have higher levels of phthalates in their bodies than adults as a consequence of increased exposure from food and house dust. Commenter strongly urges the Maine DEP to adopt the rule, stating that the information gathered will allow health providers and consumers to prevent unnecessary exposures to phthalates that may cause preventable health problems. (799)
- 9. Comment: Commenter states that phthalates are ubiquitous in all consumer products. Commenter states that consumers love products such as plastic shower curtains and cosmetics, many of which contain this group of chemicals as a way to keep scents longer, and those products that deodorize homes and clothing which contain phthalates. Commenter states that small children get even larger doses of phthalates because of their size and increased metabolism. Commenter feels that nearly thirty years of good science is enough reason to declare a substance a priority chemical. (4)
- 10. Comment: Commenter states that there are increasing rates of asthma and allergies among the pediatric population and a growing body of evidence linking phthalates to respiratory illness. Commenter states that occupational respiratory disease due to plastics industry exposure has been well known for decades and, goes on to state, there is alarming data that phthalate exposure can adversely affect the respiratory health of our children, including significant lung function reductions with elevated phthalate urinary levels as seen in an NIH epidemiologic review of the 3rd National Health and Nutrition Examination Survey (NHANES) data. (810)
- 11. Comment: Commenters state that exposure to phthalates has been documented in Maine citizens, with particular concern for exposure during pregnancy and early childhood and the resulting health care costs. Commenters state that several phthalates have been slated for regulatory action by authoritative government agencies; some have even been banned in products intentionally marketed to children. Commenters express concern that parents and businesses

have largely been left in the dark about which common consumer products still contain phthalates, and support the rule because the resulting information gathered will inform future consideration of the Department and other agencies on whether additional regulatory actions are appropriate to reduce phthalate exposure. Commenters state that strong scientific and regulatory consensus on phthalates demonstrates that it's not too soon for Maine to take action, and the market movement away from phthalate use adds confidence to Maine's rulemaking. Commenters state that phthalate use and exposure is widespread, and the lack of information available on products which contain phthalates underscores that this policy action is needed. (29)

Response to Comments #1 - 11: The four phthalates listed in the proposed rule are currently listed on Maine's Chemicals of High Concern list and, therefore, already meet the criteria for Maine's priority designation (38 M.R.S.A. § 1694(1)). Because of this, additional findings of potential harm resulting from exposure to any of the four phthalates listed are not necessary for the Department to adopt the proposed rule requiring disclosure of use in certain children's product categories. However, the Department does consider evidence related to the need for and appropriateness of such regulatory action, including the need for information on the use of the four listed phthalates in children's products and the extent of the chemical's use in such products. The Department also must consider whether regulatory action is necessary and appropriate in light of actions taken or underway with respect to these chemicals in other jurisdictions. No change to the rule.

Definitions

12. Comment: Commenter expresses concern for the broadly defined product categories listed in the proposed rule. Commenter states that the rule must remain focused on children's products as contemplated by the statute and not sweep in unintended consumer products, because absent clarifications, manufactures and consumers will face unnecessary costs unrelated to the purpose of the underlying legislation. Commenter is concerned that the proposed definition of "Arts and Crafts" could draw products into consideration that technically are not intended for arts and crafts applications but may on occasion be utilized for such projects. Commenter cites the proposed definition of "Arts and Crafts Products" with concern that this could include products not intended for the arts and crafts market. Commenter recommends the Department add those products which are excluded from enforcement as 'art materials' per the U.S. Consumer Product Safety Commission's regulations under the Labeling of Hazardous Art Materials Act; those products are not arts and crafts products in the scope of the rule. Commenter also requests reconsideration of the building products category in the proposed rule, because it is expansive and outside the scope of the rule. Commenter notes that Maine statute (38 M.R.S.A. § 1691(8))

states that a product sold for outdoor residential use is limited to products that a child under 12 years of age may have direct contact with. Commenter suggests modifying the definition of "Home Maintenance Products" to also reflect this statutory definition, as well as clarifying only chemically formulated consumer products are captured. (25)(26)(30)

- 13. Comment: Commenter states that meaningful improvement to the proposed rule would be accomplished if the federal CPSIA definition of "children's product" were utilized, and recommends this consistency would align with other state and federal definitions by identifying regulated products as those manufactured for or marketed to children 12 years and younger. Commenter states that the proposed rule sections 4(C) and 4(D), which would create a fourtiered reporting system based on a company's tax filings, is in conflict with Maine law 38 M.R.S.A. § 1695(1), which sets forth a hard 180 day reporting deadline for products already in the stream of Maine commerce at the time of prioritization and a 30 day reporting deadline for new products entering Maine's commerce stream. Commenter states that the uniform deadline set in statute for all companies, regardless of size, does not permit the type of tiered reporting system contemplated by sections 4(C) and 4(D) and that this approach was rejected legislatively. Commenter also states that definitions in the proposed rule go far beyond the scope or intention of the law by adding numerous new categories to the regulations that would not normally be considered children's products, such as "Arts and Crafts Products," "Building Products," "Cosmetics and personal care products," "Home maintenance products," "Household and commercial cleaning products," "Personal accessories," and "Household furniture and furnishings." Commenter states that these expanded definitions would broaden the scope of the regulation to include virtually any consumer product, which is far beyond the intent of the framework law to protect children. Commenter recommends that the proposed rule require reporting for manufacturers and formulators of product because retailers, importers, and distributors typically do not hold the product formulation information needed to comply directly with the reporting request and will look to manufacturers to supply the information. Commenter would like a better understanding and explanation of the purpose for the reporting fee if all consumer products are subject to reporting; if the rule applies to all General Use categories of products this will likely result increase the cost to manufacturers that will create unnecessary cost to Maine consumers. Commenter requests additional time to inform and educate manufacturers who may not have reporting awareness, should the regulated product categories be expanded to General Use products under the heading Children's Products; it will take time for industry to gain broad understanding of the expanded meaning of Children's Products and should be allotted time to potentially modify formulations of General Use product categories. (28)
- 14. Comment: Commenter is concerned that the currently drafted definitions unnecessarily include categories that do not pose the exposure risk to children that the authorizing legislation had intended to regulate. Commenter suggests that the definition of "Home maintenance products"

be modified to clarified because not all adhesives, sealants and finishes are designed for home maintenance and requests the definition specify that products are captured in this category if a child under 12 years of age may have direct contact with the item. Commenter is concerned that the definition of "Household and commercial cleaning products" presented in the draft rule could be unnecessarily applied to automotive products, which pose low probability of coming in contact with children under 12 years of age. Commenter suggests that auto care products be excluded from this definition. Commenter states that there may be the presence of phthalates in some products as a result of an input fragrance raw material, and that because phthalates are not providing a "specific characteristic, appearance or quality" in the final product, due to its lack of function in the raw material, there must be some level of clarification within the rule to clarify how the definition of intentionally added will be applied for this particular type of chemical. Commenter believes the regulated community would greatly benefit from having the rule explicitly name those categories captured by the regulation. (30)

Response to Comment #12 – 14: The originally proposed definitions describing regulated children's product categories were so broad in scope, as to make nearly all consumer products subject to the rule. Because the originally proposed definitions were ambiguous and not sufficiently clear, the regulated community would not have had fair notice of whether they would be subject to the regulation. Additionally, the Department must provide clearly defined product categories subject to the rule which are anticipated by the regulated community, and which can be easily interpreted and enforced equitably. Changes to the rule include clarifying definitions, and clearly modeling regulated product categories based on the federal definition of children's product. Because the guiding law requires regulated entities to submit information to the Department no later than 180 days after the effective date of the rule (38 M.R.S.A. § 1695(1)), changes to the originally proposed tiered reporting system were necessary to align this rule with statute. The final rule provides more specificity and clarity than the original proposal.

General Support

15. Comment: Commenters represent a group of small business owners operating in Maine and strongly support the proposed rule as they are very concerned about health and the business impacts that can arise if products used or sold contain toxic chemicals like phthalates. Commenter expresses concern for the cost of preventable childhood diseases and uncertainty about the safety of chemicals which erodes consumer confidence. Commenter points out that as business owners, there is often no ways to determine which chemicals are in the products used or sold, the level of hazard from exposure, and whether safer alternatives exist. Commenter states that every Maine consumer deserves a home that is free of toxic chemicals and every Maine business deserves the right to know that the products they use or sell are safe, and avoid choosing

between good health and good business; commenters urge prompt action to adopt Chapter 880 [sic]. (811-932)

- 16. Comment: Commenters represent salon owners, managers, and stylists who are concerned that phthalates are used in many shampoos, cosmetics, lotions, and other personal care products. Commenters sell large quantities of personal care products and unless the manufacturer specifically advertises "phthalate-free," there is no way to ensure that products used or sold do not contain phthalates. Commenters state that dozens of human health studies link phthalates exposure to serious health effects, and that phthalates enter the human body through breathing, skin contact, and eating. Commenters state that chemical companies aren't required to ensure their chemicals are safe and manufacturers aren't required to list their chemical ingredients. Commenters state that better information is needed; no Maine business wants to sell or use products that could harm customers or employees. Commenters strongly support the proposed rule. (Commenters #33-60)
- 17. Comment: Commenter states that this rule will take an important step towards [sic] protecting Maine families from toxic chemicals by providing critical information on which consumer products contain phthalates, which will give more transparency and choice to parents, businesses, health professionals, and all consumers. Commenter states that the U.S. CDC finds phthalates in the bodies of most Americans and testing of 25 Maine people this past spring found similar results. Commenter believes it is in all of our best interests to gain the right to know whether the products we buy contain toxic chemicals like phthalates. (934)
- 18. Comment: Commenter states that three of the phthalates proposed for regulation in rule chapter 888 (DEHP, BBP, DBP) are subject to regulation by the European Chemicals Agency (EHCA) as Substances of Very High Concern. Commenter states that these same three chemicals have been named as Action Plan chemicals by the U.S. Environmental Protection Agency and that an expert science panel to the Consumer Product Safety Commission has released a report that states exposures to these phthalates are still unacceptably high. Commenter states that adoption of the proposed rule is necessary because there is no other authority taking such action nor is there duplicate information currently available. Commenter states that only the State of Washington requires reporting of the use of these four phthalates, but their scope is limited. Commenter states that although several federal agencies and states have acted on phthalates, the chemicals are still widely used in products. Commenter states that if adopted the rule will allow Maine to contribute to the solution by gaining more use information that is not currently available. (27)
- 19. Comment: Commenter wants phthalates identified not only because of the endocrine disrupting factor but because they are in so many chemical fragrance products, as well as building materials. Commenter has a hypersensitivity to chemical fragrances and did not know that

phthalates are used to fix fragrances in consumer products. Commenter states that understanding that getting rid of these plasticizers is a key to managing and recovering from the neurological problems is a personal issue. Commenter states it is particularly important to phthalates are removed from hospital settings and states it is unsettling to learn that most exposure to phthalates is from food. (22)

- 20. Comment: Commenter states that after attempting to avoid plastic products and making selective purchases, commenter was surprised to have the second highest level of phthalate DEHP out of a testing group, and levels of the other three phthalates at 75% higher than all Americans. Commenter states that avoiding exposure to hormone disrupting chemicals like phthalates is important but we do not have the information needed to make educated purchasing decisions. Commenter claims that roughly 10% of pregnant women from the National Health and Nutrition Examination Survey had cumulative phthalate exposures that exceeded a Hazard Index of 1. Commenter states that the Maine Legislature has taken a leadership role on this issue, but six years have passed since Maine's law was passed. Commenter claims that the support for the rule is from citizens only asking for information information that will empower parents to make the safest, healthiest choices for their kids. (13)
- 21. Comment: Commenter has concerns about chemicals contaminating our food supply through product packaging, processing and cooking. Commenter's organization has broadened its focus to include toxic packaging and equipment used in food processing. Commenter notes that while the proposed rule does not specifically focus on food packaging, it is essential to recognize that packaging may be a significant source of phthalates exposure. Commenter states that the University of Washington and the National Institute for Environmental Health Sciences released a study indicating that one of the most common routes of exposure to phthalates is through food consumptions, particularly high fat dairy products, poultry and cooking oils. Commenter states that the study referenced suggests that exposure levels for infants through adolescents exceeded limits set by the Environmental Protection Agency. (24)
- 22. Comment: Commenter states that there is research which demonstrates that pregnancy makes women's bodies more susceptible to the toxins in our environment, and that this susceptibility threatens the health of woman's pregnancy and shows long-lasting results on fetal development. Commenter states that the American College of Obstetricians and Gynecologists announced in 2014 that reducing exposure of pregnant women to environmental toxins is critical to preventing birth defects, citing the College's publication of "Exposure to Toxic Environmental Agents." Commenter notes that because manufacturers are not required to disclose information about where phthalates are used, even the most educated doctors are not able to better advise their patients on how to avoid exposure to them. Commenter notes that women cannot make healthy choices when they don't know which products contain phthalates. Commenter states that all

consumers need more information on the use of phthalates, so they can make healthy and responsible choices for themselves and their families; without knowledge of where these chemicals are used, they are unable to control this very basic aspect of their health and that of their families. (21)

- 23. Comment: Commenter believes that every Maine consumer deserves the right to know if there are toxic phthalates in the products they use and every Maine business deserves the right to know if the products they sell to their customers are safe. Commenter installs glass shower doors and surrounds for a living and believes them to be a safer alternative to plastic vinyl. Commenter states that finding products to purchase for rental properties that do not contain these chemicals is a guessing game. Commenter states that disclosure of phthalates used in our everyday products would allow consumers and business owners to seek safer alternatives to protect their health. Commenter is part of a group of small business owners who signed a letter of support of the adoption of proposed chapter 888. Commenter believes that passing smart, low-cost policies that create market incentives for safer alternatives creates leverage that Maine's small businesses cannot create on their own. Commenter claims that action now to disclose the use of phthalates in consumer products will increase consumer confidence and decrease this chemicals' effect on our children. (18)
- 24. Comment: Commenter states that the proposed rule is modeled after elements included in the adopted Department rules for cadmium, mercury, and arsenic to accomplish a comparable selffunding use of DEP/CDC financial and human resources. Commenter claims that whereas the Department deferred action on the proposed designation of formaldehyde [at the time of testimony, July 2014], the associated financial and human resources would be available to help accomplish the tasks proposed in the citizen petition to initiate rulemaking for proposed chapter 888. Commenter states that the citizen petition's proposed rule established a multi-year and staggered reporting deadline schedule (2015-2017 and beyond) as a strategy to further reduce the associated financial and human resources used in any single year. Commenter states that the proposed multi-year staggered reporting limits the negative impact on reporting entities in 2015 to the "largest manufacturer" with aggregate gross annual sales both within and outside of Maine of more than one billion dollars. Commenter states that petitioners have provided scientifically credible information to accompany the proposed draft rule to provide significant assistance in reducing the time and cost to the Department for the due diligence review necessary prior to adopting a chemical reporting rule such as that proposed. Commenter states that the proposed rule makes use of the Department's authority to charge fees to reporting manufacturers to cover the cost of information management. Commenter states that the proposed rule chapter 888 and supporting documentation has been well researched and documented in an effort to assist in providing the information in a manner that reduces the DEP/CDC due diligence review efforts, avoids the costs of obtaining cited scientific studies, avoids the costs of proposal development,

models many of the DEP's own recently proposed and adopted strategies, and spreads the reporting effort out over multiple years to further reduce costs in any one year. Commenter believes a finding of adequate financial and human resources to support a priority designation is justified and further supported by the Department's fiscal impact statement. (16)

- 25. Comment: Commenter states that the evidence strongly indicates that the inclusion of phthalate compounds in so many consumer products, while useful in some way to producing those products, poses enough of a cumulative health risk that the four phthalates specified in the proposed rule should be listed as Priority Chemicals. Commenter states that we need more data about the use of phthalates in manufacturing soft vinyl plastics such as kids' backpacks and rain jackets, shower curtains, flooring, IV tubing used in hospitals and clinics, packaging, and fragrances used in many personal care products. Commenter states that manufacturers should be required to report which of their products sold in Maine contain the priority phthalates, which would educate the public and empower consumer's choices. Commenter states that making educated choices is especially important for pregnant women and young children where phthalates pose the greatest health risk, specifically because of its anti-testosterone effects, sperm damage, an increased risk of prostate cancer, and learning and behavior problems such as ADHD, and asthma and allergies. Commenter advocates for safer chemicals in children's products so that the grandkids' ongoing development is not harmed. Commenter states that we need more information from manufacturers about phthalates used in consumer products, which would help physicians to be able to make more informed, preventative health recommendations to their patients. (19)
- 26. Comment: Commenter states there is good scientific reason to limit exposure to phthalates as they are endocrine disrupters that can negatively affect our reproductive systems, are associated with birth defects in boys, are linked to changes in brain function, and are related to an increase in asthma. Commenter states that the proposed rule is a small first step to providing consumers with the ability to avoid these chemicals if they so choose. Commenter specifies this is not a ban, nor labeling, rather information consumers have a right to know. Commenter states that toxic chemicals should be screened for safety at the federal level, but they are not because federal toxic chemical policy is woefully inadequate to protect consumers from harm. Commenter claims that to date the EPA has tested about 200 of the 80,000 chemicals on the market and has restricted the use of just five. Commenter claims that the American Chemistry Council represents manufacturers of phthalates, and that along with the Koch brothers, have stalled progress on toxic chemical policy reform at the federal level. Commenter states that Maine has the ability to fill the void. Commenter states that once the use of phthalates is known, this information can be used to evaluate further action under KSPA (i.e. the *Toxic Chemicals in* Children's Products law). Commenter states that information about chemical use is the key piece that enables this law to function as intended. Commenter states that this rule requiring

disclosure is modest in scope, requiring manufacturers to disclose which products contain phthalates and the reporting of existing alternative assessments, while avoiding unreasonable burden on manufacturers. Commenter urges adoption of the proposed rule. (11)

- 27. Comment: Commenter states that it is necessary to protect our children from undue exposure to known harmful chemicals. Commenter states that human life is threatened all too often in today's culture and these chemicals threaten the health of all Mainers. Commenter states that the proposed rule takes a proactive approach to protecting the well-being of our youngest and most vulnerable population which we are morally obligated to do. Commenter states that commitment to protecting the health and dignity of all is unwavering and urges the Department to adopt the rule. (10)
- 28. Comment: Commenters represent organizations supporting the adoption of proposed rule chapter 888. Commenters state the rule will take an important step towards [sic] protecting Maine families from toxic chemicals by providing critical information on which consumer products contain phthalates giving more transparency and choice to all consumers. Commenter states that phthalates are endocrine disrupting chemicals, alter the production or expression of hormones in the body, wreaking havoc on human development, and that hundreds of studies have documented the link between prenatal and childhood exposure to phthalates and health problems. Commenter states that phthalates are everywhere around U.S. in our homes and leach easily from consumer products into our bodies. Commenter states that phthalates have been found in the bodies of most Americans, including 25 people from Maine who volunteered to be tested for their presence. Commenter states that without access to information even the most careful and well-informed consumers are unable to identify their source of exposure to phthalates. Commenters urge the Maine DEP to use its authority to adopt the proposed chapter 888 and designate phthalates as priority chemicals. (933)
- 29. Comment: Commenter states that he has extensively studied the toxicity of phthalates and states that they are toxic to just about all body systems and organs. Commenter states that the diseases known to be caused by exposures to phthalates are numerous, including cancers. Commenter also states that phthalates induce co-morbidities, meaning that a person with one of the other conditions said to be caused by phthalate exposure is more than likely to become ill with a second illness. Commenter states that phthalates are all around us, found in adhesives, paints, plastics, cosmetics, fragrances, medical supplies, vinyl flooring, and toys. Commenter writes that with knowledge and diligence, exposure to them can be sharply curtailed. Commenter states that phthalates fit the description of priority chemicals and urges the department to list them as such and distribute lists of products that contain them so that consumers can avoid exposure to them. (31)

Response to comments #15-29: The four phthalates listed in rule have been elevated to priority status in response to the concerns of Maine citizens who have supported this rulemaking. The rule will require regulated entities to submit information to the Department which details the intentional use of any of the four listed phthalates in certain children's products. This information will help the Department gain a better understanding of the current uses of regulated phthalates. This additional insight into chemical use in children's products will enable the Department to make insightful decisions about whether additional management steps regarding the use of these phthalates in certain children's products might be appropriate. No change to the rule.

- 30. Comment: Commenter states that there is no question the four phthalates in the proposed rule meet the hazard and exposure criteria for becoming priority chemicals. Commenter states that these phthalates are chosen because of the wealth of strong credible scientific evidence of both hazards to human health and human exposure that elevate the human health risk. Commenter states that the CHAP report on phthalates affirms the need for stronger measures to reduce children's exposure to phthalates and underscores the international consensus that the evidence on phthalates supports priority actions at every level of government. Commenter states that phthalates should receive priority attention because of their prevalence in household products, and that action taken on phthalates will have a significantly stronger benefit in contributing to reducing risk to human health. Commenter states that phthalates are used in so many products but because they are largely unreported by manufacturers, there is a large information gap that the State of Maine should help to fill through the adoption of this proposed reporting requirement. Commenter states that phthalate use in personal care products is often hidden behind the term 'fragrance'. Commenter states that many authoritative agencies at both the state and federal level have already prioritized phthalates; all uses of three of these phthalates will be banned in Europe in February 2015, leaving Maine consumers exposed to phthalates from products that can no longer be sold in the European Union. Commenter states that utilizing the language in Maine law of the definition of children's product includes any product that a child or pregnant woman is exposed to around the home, giving Maine a tool that no other regulatory agency has to gather information on phthalates in products that are not marketed to children but are nevertheless among the most important sources of exposure to pregnant women and children. Commenter states that the recently released CHAP report directly affirms the need to address exposure to phthalates beyond products marketed to children. (1)
- 31. Comment: Commenter states that there is mounting evidence that chemicals such as phthalates are leading to a host of disorders. Commenter claims that preconception, prenatal, and postnatal exposures to environmental chemicals have been shown to have a profound effect on health, specifically reproductive and developmental health. Commenter states that America is definitely not a leader in looking out for the people or protecting its health as a nation, that other countries

are now the leaders in ensuring the health and safety of its citizens. Commenter states that the, "EU has *banned* 3 of the 4 phthalates that we are merely asking to be *identified* by manufacturers."(*sic*) (61)

Response to Comment 30-31: Because the Department believes it is important that the public have accurate information regarding the regulation of chemical use in children's products, this rule specifically addresses the misperception that all uses of phthalates have been prohibited in Europe. Since 2006, the European Union has prohibited the intentional use, above 0.1% by mass of the plasticized material, of di(2-ethylhexyl) phthalate (DEHP), dibutyl phthalate (DBP), and benzyl butyl phthalate (BBP) in toys and childcare articles (EU Directive 2005/84/EC). Additionally, the European Union has prohibited the intentional use, above 0.1% by mass of the plasticized material, of di-isononyl phthalate (DINP), di-isodecyl phthalate (DIDP), and dioctyl phthalate (DNOP) in toys and childcare articles which can be placed in the mouth by a child (EU Directive 2005/84/EC). This EU Directive sorted six phthalates into two groups, with one group being less restricted than the other. Noting that this Directive clearly specifies a limited scope of products affected and divides the identified chemicals into two groups to further limit the scope of products affected by specifying those products which "can be placed in the mouth by a child," this regulation does not constitute a ban affecting all uses of phthalates, as has been stated by some commenters. However, since November 2006, cosmetic products containing benzyl butyl phthalate (BBP) have been prohibited for sale to European consumers as stipulated by Commission Directive 2005/80/EC. No change to the rule.

Other Supporting Comments

Comment #32 is a consolidation of many comments received and can be attributed to multiple commenters, specifically those listed below.

- 32. Commenters 5-7, 12, 14-15, 32-60, 62-797, 800-809 consist of members of the public, such as parents, grandparents, concerned citizens, healthcare professionals, and business owners, who have provided similar opinions of support for the rule. While each individual comment is given equal weight in the review of the record, due to their similar nature these comments have been consolidated and summarized below.
 - Phthalates are in many consumer products without being listed as an ingredient; this rule must be adopted so that consumers can make better educated decisions about which products to purchase especially if they want to avoid phthalates.
 - Phthalates are linked to serious health problems; if we don't know what products they are in we can't protect our families.

Supplemental Basis Statement Citizen Petition to Initiate Rulemaking Proposed Rule Chapter 888

Designation of four members of the Chemical Class 'Phthalates' as Priority Chemicals

- The public has a right to know if these toxic chemicals are in the products we're buying.
- Because these chemicals are impossible to avoid, the DEP needs to adopt this rule so that manufacturers are required to disclose which products contain phthalates.
- Consumers have the right to know what ingredients are in the products we buy; this information is vital to making decisions about avoiding harmful chemicals.
- Future generations should not be burdened with medial issues that could be avoided; consumers need to know what is in our products so that parents can make informed choices on behalf of children.
- There are too many items that contain chemicals we aren't aware of; we should all be informed of ingredients so that we know what we're purchasing and can make informed choices.
- We should all have the choice of buying chemical free products, but we need to know where they are used.
- Countless consumer products contain these plasticizers; however no one can consciously avoid them because there is no requirement for labeling of phthalates.
- Consumers have a right to protect their bodies and their children from easily identifiable hazards like phthalates.
- Commenter states that more data about the use of phthalates in manufacturing soft vinyl plastics, packaging, fragrances, and personal care products is needed.

Response to Comment 32: The Department has considered the comments submitted and has moved forward with adoption of rule chapter 888 which will require manufacturers to disclose their intentional use of regulated phthalates in certain children's products. No change to the rule.

Comments Regarding Amended Rule February 2015

- 1a. Comment: Commenter states that regulated product categories intended to fall within the scope of "children's products" are too broad and without further clarification manufacturers and consumers will face uncertainty regarding which products are covered and potentially face unnecessary costs. Commenter suggests that the category of "building products" be removed from the proposed rule in order to narrow its focus on true children's products. Commenter suggests that without removing the definition of "building products", this category could be further clarified by adding the phrase "during application" to its definition. Commenter explains that the addition of this phrase clarifies that exposure to a chemical is significantly less likely to occur if the child does not make contact during application of the product. Commenter states that similarly the definition of "home maintenance products" should be further clarified by adding the language "chemically formulated products" to make clear that the intended products in the scope of the proposal are chemically formulated products and not articles. Commenter provides examples of chemically formulated products as adhesives, caulking, and grouts. Commenter goes on to state that separating "building products" from "home maintenance products" into two distinct product categories will further clarify which products are regulated, particularly when examples are provided. Commenter writes that these clarifications of the listed product categories will allow the agency to focus its enforcement efforts on children's products without deterring from Maine's stated policy to collect information and regulate children's products to reduce exposure of children and other vulnerable populations to chemicals of high concern by substituting safer alternatives when feasible. (1b)
- 2a. Comment: Commenter states that the elimination of all products within several product categories except those marketed for use by children ages 0-12 is arbitrary. Commenter states that proposed rule chapter 888 should align with strong science by requiring reporting of regulated phthalates in all products that could be sources of exposure for children and pregnant women within the categories of cosmetics, personal care products, clothing, footwear, craft supplies, and jewelry. Commenter claims the proposed rule modifies regulated product categories in such a way as to create the "total elimination of all accessories" including backpacks and other accessories which are possible sources of exposure, especially those that contain soft plastic parts likely to use phthalates as plasticizers. Commenter writes that the proposed rule eliminates "all products used for outdoor residential use" except when a child under 12 years of age may have direct contact with the product, which according to the commenter, does not protect against documented paths of exposure such as inhalation. Commenter claims that the proposed rule changes arbitrarily eliminate products from reporting requirements without any scientific basis. Commenter states that proposed changes to the rule create additional complications for implementation due to the lack of determining factors when

attempting to differentiate a product intended for use by a 12 year old versus a product intended for a teenager or an adult, which creates a greater degree of complexity for implementation and compliance. (9b)

Response to Comments 1a-2a: See response to comments #12-14, page 52.

- 3a. Comment: Commenter states that several medical researchers whose peer-reviewed papers were provided in the initial submission were not consulted in the redraft of the rule. Commenter states that changes to the proposed rule miss the most vulnerable child in the womb. Commenter states that changes to the definition of building and home maintenance products assumes that children and adults do not touch, handle or come in direct contact with products that fall into these categories. Commenter goes on to state that all of these products, building and maintenance materials, frequently leach into the home where the family breathes, eats, and sleeps and explains that "a meeting with a degreed researcher in this field could do a better job of informing you than either I or a manufacturer." Commenter requests that the proposed rule be "re-examined in conference with some of the medical degreed researchers before a final" decision is made. (10b)
- 4a. Comment: Commenter states that recent changes to chapter 888 "greatly reduce the number of products that must be labeled if they contain phthalates." Commenter goes on to state that it seems obvious that children don't come into contact with only products marketed to children, they live in homes filled with all kinds of products and it is unavoidable that they will come into frequent contact with many of these now unlabeled products. Commenter requests that there be a return to" the original, broad application of chapter 888, and require labeling of *all* household products that contain phthalates." (36b)

General Comments of Support

Comment 5a is a consolidation of several comments received and can be attributed to multiple commenters as listed above:

- 5a. Commenters # 2b-8b, 11b-35b, consist of members of the public, such as parents, grandparents, concerned citizens, healthcare professionals, business owners, who have provided similar opinions of support for the rule. While each individual comment is given equal weight in the review of the record, due to their similar nature these comments have been consolidated below.
 - Changes to the rule leave pregnant women in the dark about phthalates in their products.
 - The DEP should adopt the originally-proposed version of chapter 888.
 - A wealth of peer-reviewed scientific information linking prenatal exposure to phthalates and many serious human health threats has been submitted to the DEP.
 - This proposed version of the rule is not broad enough to give consumers the information they need about which products contain phthalates.
 - Consumers have a right to know what chemicals are in the items they purchase.
 - We need to get toxins out of our products because manufacturers will not do so independently.
 - Phthalates are a frightening additive and must be taken out of products in common use.
 - Consumers should be warned about phthalate use in the products we must choose from by clearly showing a list of ingredients.

Response to Comments 3a-5a: The Department has considered the comments submitted and has moved forward with adoption of rule chapter 888 which will require manufacturers to disclose their intentional use of regulated phthalates in certain children's products. No change to the rule.