UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

APR 18 2017

REPLY TO THE ATTENTION OF
C-14J

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Joon S. Moon
Patterson Chemicals, Inc.
c/o Rooto Corporation
3505 West Grand River
Howell, Michigan 48843

RE: Patterson Chemicals Site, Detroit, Michigan
Order No. V-W-10-C-962

Dear Mr. Moon:

On December 22, 2010, the U.S. Environmental Protection Agency issued a unilateral order to Patterson Chemicals, Inc., requiring it to conduct certain cleanup activities at 11930 Pleasant Street, Detroit, Michigan, under the authority of Section 106 of the Comprehensive Environmental Response, Compensation, and Liability Act, as amended (CERCLA), 42 U.S.C. § 9606.

It is my understanding that Patterson Chemicals, Inc. has largely completed the activities required by that order. It has not, however, submitted a final report of its response activities as required under Section V.3.5 of the Order. It also has not reimbursed EPA's oversight costs as required by Section VIII of the Order. On October 22, 2013, EPA sent you, as Patterson Chemical's principal, a bill for $193,004.33. (A copy is enclosed.) Neither you nor the company has paid that bill, or responded in any way.

EPA hereby requests that you and Patterson Chemicals comply with these requirements of the Order within 30 days of your receipt of this letter. Please contact me promptly or confirm that you and your company will comply. I can be reached at (312) 886-0562 or krueger.thomas@epa.gov if you have any questions concerning this matter.

Sincerely,

Thomas J. Krueger
Associate Regional Counsel

Enclosure

Recycled/Recyclable • Printed with Vegetable Oil Based Inks on 100% Recycled Paper (100% Post-Consumer)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

OCT 22 2013

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

REPLY TO THE ATTENTION OF:

Mr. Joon Moon
c/o Glenn R. Matecun
The Kizer Law Firm, P.C.
207 N. Michigan Avenue
Suite 202
Howell, MI 48843

RE: Patterson Chemicals, MI,
Site No. B5XJ

Gentlemen:

The enclosed billing is for the recovery of costs incurred by the U.S. Environmental Protection Agency (EPA) for oversight activity, performed under the authority of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended, for costs through 06/30/2013. These costs were incurred for the Patterson Chemical Site. EPA is due $193,004.33. This bill is solely for recovery of government oversight costs; any fines and/or penalties due will be billed separately.

This billing invoice is being forwarded to you for payment based upon the Administrative Order, VW-10C-962. Please make your payment payable to EPA Hazardous Substance Superfund and forward your payment to the following address:

Federal Reserve Bank of New York
[redacted]
33 Liberty Street
New York, NY 10045

Field Tag 4200 of the Fedwire message should read 'D 68010727 Environmental Protection Agency'

To avoid additional charges, payment must be received at the U. S. EPA within 60 days of receipt of this bill. If payment is not received within that time frame, interest will accrue from the date of your receipt at the rate of 0.81%. If there are any questions regarding the legality of this bill please contact Larry Johnson at (312) 886-6609 or mail comments to the following address:

Recycled/Recyclable • Printed with Vegetable Oil Based Inks on 100% Recycled Paper (100% Post-Consumer)

U. S. Environmental Protection Agency
ATTN: Larry Johnson
77 West Jackson - C-14J
Chicago, Illinois 60604

If there are any other questions, please contact U.S. EPA's On-Scene Coordinator, Partap Lall, at (734) 692-7677 or mail comments to the following address:

U.S. Environmental Protection Agency
ATTN: Partap Lall
Emergency Response Section 2
9311 Groh Road
Grosse Ile, MI 48138

To ensure that your payment is properly recorded by EPA, the following information must be included:

Patterson Chemicals, MI.
Account No. 2751405T0001
Site No. B5XJ

You should also send notice that payment has been made to the two EPA addresses above.

Thank you for your cooperation.

Sincerely,

for Richard Hackley, Chief
Program Accounting and Analysis Section
Enclosures

cc: Partap Lall, SE-GI
Larry Johnson, C-14J

Itemized Cost Summary

PATTERSON CHEMICALS, DETROIT, MI SITE ID = B5 XJ

Costs Through 06/30/2013
VW-10C-962

REGIONAL PAYROLL COSTS	$61,901.03
SUPERFUND TECH. ASSISTANCE & RESPONSE TEAM (START)	
WESTON SOLUTIONS, INC. (EPS50604)	$60,683.98
TECHNICAL SERVICE AND SUPPORT	
ASRC MANAGEMENT SERVICES, INC. (EPW05052)	$160.22
EPA INDIRECT COSTS	$70,259.10
Total Site Costs:	$193,004.33

Regional Payroll Costs

PATTERSON CHEMICALS, DETROIT, MI SITE ID = B5 XJ

Costs Through 06/30/2013
VW-10C-962

Employee Name	Fiscal Year	Pay Period	Payroll Hours	Payroll Costs
BENSING, MILAGROS	2011	05	8.00	424.90
ENVIRONMENTAL PROTECTION SPECIALIST		06	7.00	371.78
		09	1.25	66.57
			16.25	$863.25
ELZEIN, JASON	2011	06	5.00	432.56
ENVIRONMENTAL ENGINEER		09	5.00	454.19
			10.00	$886.75
FINLEY, ARLENE	2011	24	2.25	139.09
ACCOUNTANT		25	0.25	15.46
		26	0.25	15.47
		27	0.00	0.00
	2012	01	0.50	30.70
		02	0.25	15.47
		04	2.00	123.83
		05	0.50	30.96
		26	1.00	62.04
	2013	02	1.00	62.04
		03	1.00	62.05
		04	2.00	124.07
		06	3.75	232.62
		09	2.00	124.32
		12	1.00	62.17
			17.75	$1,100.29
HAILE, LINDA	2011	24	0.25	15.75
LEAD ACCOUNTANT				
			0.25	$15.75
JOHNSON, LARRY	2010	21	12.00	1,149.13
Attorney-Adviser		23	11.00	1,053.37
		24	9.00	861.83
		26	11.00	1,013.35
	2011	01	4.00	361.57
		02	6.00	550.84
		03	5.00	459.03
		04	16.00	1,468.90

Regional Payroll Costs

PATTERSON CHEMICALS, DETROIT, MI SITE ID = B5 XJ

Costs Through 06/30/2013
VW-10C-962

Employee Name	Fiscal Year	Pay Period	Payroll Hours	Payroll Costs
JOHNSON, LARRY	2011	05	20.50	1,882.05
		06	6.00	550.84
		08	7.00	675.19
		09	14.00	1,350.37
		10	28.00	2,700.73
		11	23.00	2,218.45
		12	21.00	2,025.56
		14	22.00	2,122.00
		15	16.00	1,543.28
		16	1.00	96.47
		21	1.00	96.47
		22	1.00	97.43
		26	1.00	93.39
		27	1.00	91.48
	2012	18	1.00	97.85
	2013	05	1.00	93.47
		06	1.00	93.47
		09	3.00	293.82
			242.50	$23,040.34
KEATING, DEBRA	2011	02	0.50	31.93
FRIPT, DEBBIE		05	1.50	95.79
REGEL, DEBBIE		06	1.00	63.86
ENVIRONMENTAL PROTECTION SPECIALIST				
			3.00	$191.58
CYTE, LAWRENCE	2011	06	0.25	21.39
SUPERVISORY GENERAL ATTORNEY		11	0.75	64.40
			1.00	$85.79
ALL, PARTAP	2010	19	8.00	589.48
Environmental Engineer (Osc)		20	10.00	777.65
		21	16.00	1,251.91
		23	15.00	1,166.49
		24	11.00	855.42
		25	8.00	622.12
		26	7.00	544.34
	2011	02	6.00	468.38

Regional Payroll Costs

PATTERSON CHEMICALS, DETROIT, MI SITE ID = B5 XJ

Costs Through 06/30/2013
VW-10C-962

Employee Name	Fiscal Year	Pay Period	Payroll Hours	Payroll Costs
LALL, PARTAP	2011	03	7.00	527.17
		04	16.00	1,191.36
		05	9.00	670.12
		07	3.00	233.91
		08	8.00	627.74
		09	15.00	1,176.98
		10	24.00	1,883.15
		12	22.00	1,726.21
		13	19.00	1,490.83
		16	21.00	1,633.02
		17	9.00	698.37
		18	9.00	699.86
		19	7.00	549.24
		20	7.00	549.24
		22	8.00	627.71
		23	3.00	237.27
		24	5.00	392.34
		25	1.00	78.47
		26	3.00	231.36
	2012	01	2.00	156.93
		05	1.00	75.06
		07	1.00	78.59
		09	1.00	78.92
		10	1.00	78.92
		16	1.00	76.25
			284.00	$22,044.81
LOSOS, SARA Contract Specialist	2011	12	2.00	80.99
			2.00	$80.99
MARITOTE, JOHN ENVIRONMENTAL PROTECTION SPECIALIST	2010	19	1.00	54.31
			1.00	$54.31
MARKS, THOMAS	2013	12	0.25	19.25

Regional Payroll Costs

PATTERSON CHEMICALS, DETROIT, MI SITE ID = B5 XJ

Costs Through 06/30/2013
VW-10C-962

Employee Name	Fiscal Year	Pay Period	Payroll Hours	Payroll Costs
SUPV ENVIRONMENTAL PROTECTION SPEC				
			0.25	$19.25
MCGARY, DARLENE	2011	23	0.25	16.51
CONTRACT SPECIALIST				
			0.25	$16.51
MESSENGER, WILLIAM	2010	20	1.00	73.80
SUPRVY ENVIRON. PROTECTION SPECIALISTA				
			1.00	$73.80
NORMAN, CARL	2011	11	1.00	65.69
ENVIRONMENTAL ENGINEER				
			1.00	$65.69
ROPSKI, CAROL	2010	19	2.00	143.58
GRASZER, CAROL A.		20	6.00	442.80
ENVIRONMENTAL PROTECTION SPECIALIST		21	11.00	789.72
		22	4.00	287.18
		23	18.00	1,292.26
		24	14.00	1,005.08
		25	9.00	646.13
		26	1.00	71.80
	2011	02	15.00	1,080.96
		03	13.50	918.88
		04	9.00	589.83
		05	1.00	67.81
		07	2.00	144.12
		08	5.00	361.96
		09	8.00	579.13
		10	20.50	1,484.06
		11	13.00	941.11
		12	23.50	1,701.23
		13	0.50	36.18
		14	3.00	217.18
		15	2.00	144.78
		16	1.00	72.40
	2012	04	0.50	36.25

Regional Payroll Costs

PATTERSON CHEMICALS, DETROIT, MI SITE ID = B5 XJ

Costs Through 06/30/2013
VW-10C-962

Employee Name	Fiscal Year	Pay Period	Payroll Hours	Payroll Costs
ROPSKI, CAROL	2012	23	0.50	37.14
	2013	05	0.50	37.26
		09	1.00	74.66
		12	0.75	55.98
			185.25	$13,259.47
TAYLOR, DARIUS	2010	19	0.25	14.32
FINANCIAL SPECIALIST	2011	09	0.50	28.83
	2012	23	0.75	44.48
	2013	04	0.25	14.82
			1.75	$102.45
Total Regional Payroll Costs			767.25	$61,901.03

Contract Costs

PATTERSON CHEMICALS, DETROIT, MI SITE ID = B5 XJ

Costs Through 06/30/2013
VW-10C-962

SUPERFUND TECH. ASSISTANCE & RESPONSE TEAM (START)

Contractor Name: WESTON SOLUTIONS, INC.

EPA Contract Number: EPS50604

Project Officer(s): STANUCH, GAIL

Dates of Service: From: To:

Summary of Service: S/F TECH ASSESSMENT&RESPONSE TEAM (REDI)

Total Costs: $60,683.98

Voucher Number	Voucher Date	Voucher Amount	Treasury Schedule Number	and Date	Site Amount	Annual Allocation
1-A42	04/20/2010	433,820.76	10701	05/20/2010	7,953.41	955.86
1-A43	05/20/2010	432,811.67	10792	06/17/2010	5,981.14	718.83
1-A44	06/23/2010	474,285.94	10897	07/20/2010	6,066.39	729.08
1-A45	07/20/2010	551,974.47	10999	08/19/2010	2,179.73	261.96
1-A54	04/20/2011	332,781.34	11765	05/18/2011	5,575.32	536.04
1-A55	05/20/2011	370,736.53	11870	06/16/2011	11,017.72	1,059.31
1-A56	06/17/2011	395,923.35	11967	07/14/2011	6,792.72	653.09
~~1-A57~~	~~07/22/2011~~	~~466,418.84~~	~~11A90~~	~~08/18/2011~~	~~2,774.81~~	~~266.79~~
1-A58	08/19/2011	351,103.99	ACHC11258	09/19/2011	355.78	34.21
1-A60	10/21/2011	413,328.27	AVC110055	11/25/2011	4,332.16	416.52
1-A61	11/21/2011	359,289.05	AVC110088	12/22/2011	378.20	36.36
1-A65	03/20/2012	328,307.43	AVC120089	04/23/2012	327.65	31.50
1-A75	01/22/2013	456,742.13	AVC130114	02/12/2013	1,088.87	104.69
1-A76	02/20/2013	300,330.11	AVC130136	03/15/2013	50.94	4.90
				Total:	$54,874.84	$5,809.14

Contract Costs

PATTERSON CHEMICALS, DETROIT, MI SITE ID = B5 XJ

Costs Through 06/30/2013
VW-10C-962

SUPERFUND TECH. ASSISTANCE & RESPONSE TEAM (START)

Contractor Name: WESTON SOLUTIONS, INC.

EPA Contract Number: EPS50604

Project Officer(s): STANUCH, GAIL

Dates of Service: From: To:

Summary of Service: S/F TECH ASSESSMENT&RESPONSE TEAM (REDI)

Total Costs: $60,683.98

Voucher Number	Schedule Number	Rate Type	Annual Allocation Rate
1-A42	10701	Final	0.120183
1-A43	10792	Final	0.120183
1-A44	10897	Final	0.120183
1-A45	10999	Final	0.120183
1-A54	11765	Provisional	0.096146
1-A55	11870	Provisional	0.096146
1-A56	11967	Provisional	0.096146
1-A57	11A90	Provisional	0.096146
1-A58	ACHC11258	Provisional	0.096146
1-A60	AVC110055	Provisional	0.096146
1-A61	AVC110088	Provisional	0.096146
1-A65	AVC120089	Provisional	0.096146
1-A75	AVC130114	Provisional	0.096146
1-A76	AVC130136	Provisional	0.096146

Contract Costs

PATTERSON CHEMICALS, DETROIT, MI SITE ID = B5 XJ

Costs Through 06/30/2013
VW-10C-962

TECHNICAL SERVICE AND SUPPORT

Contractor Name: ASRC MANAGEMENT SERVICES, INC.

EPA Contract Number: EPW05052

Project Officer(s): CALVIN, LYNN
RZEZNIK, ANNA

Dates of Service: From: To:

Summary of Service: ADMINISTRATIVE SUPPORT SERVICES

Total Costs: $160.22

Voucher Number	Voucher Date	Voucher Amount	Treasury Schedule Number	and Date	Site Amount
52	10/10/2010	74,174.39	R1213	12/10/2010	9.28
53	12/10/2010	63,337.00	R1306	01/10/2011	38.74
54	01/10/2011	97,991.86	R1394	02/07/2011	96.87
55	02/10/2011	116,909.13	R1526	03/15/2011	15.33
				Total:	$160.22

EPA Indirect Costs

PATTERSON CHEMICALS, DETROIT, MI SITE ID = B5 XJ

Costs Through 06/30/2013
VW-10C-962

Fiscal Year	Direct Costs	Indirect Rate(%)	Indirect Costs
2010	39,552.47	49.25%	19,479.60
2011	74,047.58	61.61%	45,620.69
2012	6,545.78	56.41%	3,692.47
2013	2,599.40	56.41%	1,466.34
	122,745.23		
Total EPA Indirect Costs			$70,259.10

EPA Indirect Costs

PATTERSON CHEMICALS, DETROIT, MI SITE ID = B5 XJ

Costs Through 06/30/2013
VW-10C-962

PAYROLL DIRECT COSTS

Employee Name	Fiscal Year	Pay Period	Payroll Costs	Ind. Rate (%)	Indirect Costs
JOHNSON, LARRY	2010	21	1,149.13	49.25%	565.95
		23	1,053.37	49.25%	518.78
		24	861.83	49.25%	424.45
		26	1,013.35	49.25%	499.07
			4,077.68		$2,008.25
LALL, PARTAP	2010	19	589.48	49.25%	290.32
		20	777.65	49.25%	382.99
		21	1,251.91	49.25%	616.57
		23	1,166.49	49.25%	574.50
		24	855.42	49.25%	421.29
		25	622.12	49.25%	306.39
		26	544.34	49.25%	268.09
			5,807.41		$2,860.15
MARITOTE, JOHN	2010	19	54.31	49.25%	26.75
			54.31		$26.75
MESSENGER, WILLIAM	2010	20	73.80	49.25%	36.35
			73.80		$36.35
ROPSKI, CAROL	2010	19	143.58	49.25%	70.71
		20	442.80	49.25%	218.08
		21	789.72	49.25%	388.94
		22	287.18	49.25%	141.44
		23	1,292.26	49.25%	636.44
		24	1,005.08	49.25%	495.00
		25	646.13	49.25%	318.22

EPA Indirect Costs

PATTERSON CHEMICALS, DETROIT, MI SITE ID = B5 XJ

Costs Through 06/30/2013
VW-10C-962

PAYROLL DIRECT COSTS

Employee Name	Fiscal Year	Pay Period	Payroll Costs	Ind. Rate (%)	Indirect Costs
ROPSKI, CAROL	2010	26	71.80	49.25%	35.36
			4,678.55		$2,304.19
TAYLOR, DARIUS	2010	19	14.32	49.25%	7.05
			14.32		$7.05
Total Fiscal Year 2010 Payroll Direct Costs:			14,706.07		$7,242.74

OTHER DIRECT COSTS

Contract, IAG, SCA, Misc.NO	Voucher Number	Treasury Schedule Date	Site Amount	Annual/SMO Allocation Costs	Ind. Rate (%)	Indirect Costs
EPS50604	1-A42	05/20/2010	7,953.41	955.86	49.25%	4,387.82
	1-A43	06/17/2010	5,981.14	718.83	49.25%	3,299.74
	1-A44	07/20/2010	6,066.39	729.08	49.25%	3,346.77
	1-A45	08/19/2010	1,823.76	219.18	49.25%	1,006.15
			355.97	42.78	49.25%	196.38
			22,180.67	2,665.73		$12,236.86
Total Fiscal Year 2010 Other Direct Costs:			22,180.67	2,665.73		$12,236.86
Total Fiscal Year 2010:			39,552.47			$19,479.60

PAYROLL DIRECT COSTS

Employee Name	Fiscal Year	Pay Period	Payroll Costs	Ind. Rate (%)	Indirect Costs
BENSING, MILAGROS	2011	05	424.90	61.61%	261.78
		06	371.78	61.61%	229.05

EPA Indirect Costs

PATTERSON CHEMICALS, DETROIT, MI SITE ID = B5 XJ

Costs Through 06/30/2013
VW-10C-962

PAYROLL DIRECT COSTS

Employee Name	Fiscal Year	Pay Period	Payroll Costs	Ind. Rate (%)	Indirect Costs
BENSING, MILAGROS	2011	09	66.57	61.61%	41.01
			863.25		$531.84
ELZEIN, JASON	2011	06	432.56	61.61%	266.50
		09	454.19	61.61%	279.83
			886.75		$546.33
FINLEY, ARLENE	2011	24	139.09	61.61%	85.69
		25	15.46	61.61%	9.52
		26	15.47	61.61%	9.53
		27	0.00	61.61%	0.00
			170.02		$104.74
HAILE, LINDA	2011	24	15.75	61.61%	9.70
			15.75		$9.70
JOHNSON, LARRY	2011	01	361.57	61.61%	222.76
		02	550.84	61.61%	339.37
		03	459.03	61.61%	282.81
		04	1,468.90	61.61%	904.99
		05	1,882.05	61.61%	1,159.53
		06	550.84	61.61%	339.37
		08	675.19	61.61%	415.98
		09	1,350.37	61.61%	831.96
		10	2,700.73	61.61%	1,663.92
		11	2,218.45	61.61%	1,366.79
		12	2,025.56	61.61%	1,247.95
		14	2,122.00	61.61%	1,307.36
		15	1,543.28	61.61%	950.81
		16	96.47	61.61%	59.44
		21	96.47	61.61%	59.44

EPA Indirect Costs

PATTERSON CHEMICALS, DETROIT, MI SITE ID = B5 XJ

Costs Through 06/30/2013
VW-10C-962

PAYROLL DIRECT COSTS

Employee Name	Fiscal Year	Pay Period	Payroll Costs	Ind. Rate (%)	Indirect Costs
JOHNSON, LARRY	2011	22	97.43	61.61%	60.03
		26	93.39	61.61%	57.54
		27	91.48	61.61%	56.36
			18,384.05		$11,326.41
KEATING, DEBRA	2011	02	31.93	61.61%	19.67
		05	95.79	61.61%	59.02
		06	63.86	61.61%	39.34
			191.58		$118.03
KYTE, LAWRENCE	2011	06	21.39	61.61%	13.18
		11	64.40	61.61%	39.68
			85.79		$52.86
LALL, PARTAP	2011	02	468.38	61.61%	288.57
		03	527.17	61.61%	324.79
		04	1,191.36	61.61%	734.00
		05	670.12	61.61%	412.86
		07	233.91	61.61%	144.11
		08	627.74	61.61%	386.75
		09	1,176.98	61.61%	725.14
		10	1,883.15	61.61%	1,160.21
		12	1,726.21	61.61%	1,063.52
		13	1,490.83	61.61%	918.50
		16	1,633.02	61.61%	1,006.10
		17	698.37	61.61%	430.27
		18	699.86	61.61%	431.18
		19	549.24	61.61%	338.39
		20	549.24	61.61%	338.39
		22	627.71	61.61%	386.73
		23	237.27	61.61%	146.18
		24	392.34	61.61%	241.72

EPA Indirect Costs

PATTERSON CHEMICALS, DETROIT, MI SITE ID = B5 XJ

Costs Through 06/30/2013
VW-10C-962

PAYROLL DIRECT COSTS

Employee Name	Fiscal Year	Pay Period	Payroll Costs	Ind. Rate (%)	Indirect Costs
LALL, PARTAP	2011	25	78.47	61.61%	48.35
		26	231.36	61.61%	142.54
			15,692.73		$9,668.30
LOSOS, SARA	2011	12	80.99	61.61%	49.90
			80.99		$49.90
MCGARY, DARLENE	2011	23	16.51	61.61%	10.17
			16.51		$10.17
NORMAN, CARL	2011	11	65.69	61.61%	40.47
			65.69		$40.47
ROPSKI, CAROL	2011	02	1,080.96	61.61%	665.98
		03	918.88	61.61%	566.12
		04	589.83	61.61%	363.39
		05	67.81	61.61%	41.78
		07	144.12	61.61%	88.79
		08	361.96	61.61%	223.00
		09	579.13	61.61%	356.80
		10	1,484.06	61.61%	914.33
		11	941.11	61.61%	579.82
		12	1,701.23	61.61%	1,048.13
		13	36.18	61.61%	22.29
		14	217.18	61.61%	133.80
		15	144.78	61.61%	89.20
		16	72.40	61.61%	44.61
			8,339.63		$5,138.04

EPA Indirect Costs

PATTERSON CHEMICALS, DETROIT, MI SITE ID = B5 XJ

Costs Through 06/30/2013
VW-10C-962

PAYROLL DIRECT COSTS

Employee Name	Fiscal Year	Pay Period	Payroll Costs	Ind. Rate (%)	Indirect Costs
TAYLOR, DARIUS	2011	09	28.83	61.61%	17.76
			28.83		$17.76
Total Fiscal Year 2011 Payroll Direct Costs:			44,821.57		$27,614.55

OTHER DIRECT COSTS

Contract, IAG, SCA, Misc.NO	Voucher Number	Treasury Schedule Date	Site Amount	Annual/SMO Allocation Costs	Ind. Rate (%)	Indirect Costs
EPS50604	1-A54	05/18/2011	5,575.32	536.04	61.61%	3,765.21
	1-A55	06/16/2011	11,017.72	1,059.31	61.61%	7,440.66
	1-A56	07/14/2011	6,792.72	653.09	61.61%	4,587.36
	1-A57	08/18/2011	2,774.81	266.79	61.61%	1,873.93
	1-A58	09/19/2011	355.78	34.21	61.61%	240.27
			26,516.35	2,549.44		$17,907.43
EPW05052	52	12/10/2010	9.28	0.00	61.61%	5.72
	53	01/10/2011	38.74	0.00	61.61%	23.87
	54	02/07/2011	96.87	0.00	61.61%	59.68
	55	03/15/2011	15.33	0.00	61.61%	9.44
			160.22	0.00		$98.71
Total Fiscal Year 2011 Other Direct Costs:			26,676.57	2,549.44		$18,006.14
Total Fiscal Year 2011:			74,047.58			$45,620.69

EPA Indirect Costs

PATTERSON CHEMICALS, DETROIT, MI SITE ID = B5 XJ

Costs Through 06/30/2013
VW-10C-962

PAYROLL DIRECT COSTS

Employee Name	Fiscal Year	Pay Period	Payroll Costs	Ind. Rate (%)	Indirect Costs
FINLEY, ARLENE	2012	01	30.70	56.41%	17.32
		02	15.47	56.41%	8.73
		04	123.83	56.41%	69.85
		05	30.96	56.41%	17.46
		26	62.04	56.41%	35.00
			263.00		$148.36
JOHNSON, LARRY	2012	18	97.85	56.41%	55.20
			97.85		$55.20
LALL, PARTAP	2012	01	156.93	56.41%	88.52
		05	75.06	56.41%	42.34
		07	78.59	56.41%	44.33
		09	78.92	56.41%	44.52
		10	78.92	56.41%	44.52
		16	76.25	56.41%	43.01
			544.67		$307.24
ROPSKI, CAROL	2012	04	36.25	56.41%	20.45
		23	37.14	56.41%	20.95
			73.39		$41.40
TAYLOR, DARIUS	2012	23	44.48	56.41%	25.09
			44.48		$25.09
Total Fiscal Year 2012 Payroll Direct Costs:			1,023.39		$577.29

EPA Indirect Costs

PATTERSON CHEMICALS, DETROIT, MI SITE ID = B5 XJ

Costs Through 06/30/2013
VW-10C-962

OTHER DIRECT COSTS

Contract, IAG, SCA, Misc.NO	Voucher Number	Treasury Schedule Date	Site Amount	Annual/SMO Allocation Costs	Ind. Rate (%)	Indirect Costs
EPS50604	1-A60	11/25/2011	4,332.16	416.52	56.41%	2,678.73
	1-A61	12/22/2011	378.20	36.36	56.41%	233.85
	1-A65	04/23/2012	327.65	31.50	56.41%	202.60
			5,038.01	484.38		$3,115.18
Total Fiscal Year 2012 Other Direct Costs:			5,038.01	484.38		$3,115.18
Total Fiscal Year 2012:			6,545.78			$3,692.47

PAYROLL DIRECT COSTS

Employee Name	Fiscal Year	Pay Period	Payroll Costs	Ind. Rate (%)	Indirect Costs
FINLEY, ARLENE	2013	02	62.04	56.41%	35.00
		03	62.05	56.41%	35.00
		04	124.07	56.41%	69.99
		06	232.62	56.41%	131.22
		09	124.32	56.41%	70.13
		12	62.17	56.41%	35.07
			667.27		$376.41
JOHNSON, LARRY	2013	05	93.47	56.41%	52.73
		06	93.47	56.41%	52.73
		09	293.82	56.41%	165.74
			480.76		$271.20
MARKS, THOMAS	2013	12	19.25	56.41%	10.86
			19.25		$10.86
ROPSKI, CAROL	2013	05	37.26	56.41%	21.02

EPA Indirect Costs

PATTERSON CHEMICALS, DETROIT, MI SITE ID = B5 XJ

Costs Through 06/30/2013
VW-10C-962

PAYROLL DIRECT COSTS

Employee Name	Fiscal Year	Pay Period	Payroll Costs	Ind. Rate (%)	Indirect Costs
ROPSKI, CAROL	2013	09	74.66	56.41%	42.12
		12	55.98	56.41%	31.58
			167.90		$94.72
TAYLOR, DARIUS	2013	04	14.82	56.41%	8.36
			14.82		$8.36
Total Fiscal Year 2013 Payroll Direct Costs:			1,350.00		$761.55

OTHER DIRECT COSTS

Contract, IAG, SCA, Misc.NO	Voucher Number	Treasury Schedule Date	Site Amount	Annual/SMO Allocation Costs	Ind. Rate (%)	Indirect Costs
EPS50604	1-A75	02/12/2013	1,088.87	104.69	56.41%	673.29
	1-A76	03/15/2013	50.94	4.90	56.41%	31.50
			1,139.81	109.59		$704.79
Total Fiscal Year 2013 Other Direct Costs:			1,139.81	109.59		$704.79
Total Fiscal Year 2013:			2,599.40			$1,466.34
Total EPA Indirect Costs						$70,259.10