

Form 5500-SF Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Short Form Annual Return/Report of Small Employee Benefit Plan This form is required to be filed under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA), and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code). ▶ Complete all entries in accordance with the instructions to the Form 5500-SF.	OMB Nos. 1210-0110 1210-0089 2011 This Form is Open to Public Inspection
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Part I	Annual Report Identification Information
For calendar plan year 2011 or fiscal plan year beginning <u>01/01/2011</u> and ending <u>12/31/2011</u>	
A This return/report is for:	☒ a single-employer plan ☐ a multiple-employer plan (not multiemployer) ☐ a one-participant plan
B This return/report is:	☐ the first return/report ☒ the final return/report
	☐ an amended return/report ☐ a short plan year return/report (less than 12 months)
C Check box if filing under:	☒ Form 5558 ☐ automatic extension ☐ DFVC program
	☐ special extension (enter description)

Part II	Basic Plan Information —enter all requested information
1a Name of plan PENSION PLAN FOR HOURLY UNION EMPLOYEES OF MP PUMPS, INC.	1b Three-digit plan number (PN) ▶ <u>003</u>
	1c Effective date of plan <u>07/01/2008</u>
2a Plan sponsor's name and address; include room or suite number (employer, if for a single-employer plan) MP PUMPS, INC. 34800 BENNETT DRIVE FRASER, MI 48026-1686	2b Employer Identification Number (EIN) <u>38-2846541</u>
	2c Sponsor's telephone number <u>586-293-0240</u>
	2d Business code (see instructions) <u>333410</u>
3a Plan administrator's name and address (if same as plan sponsor, enter "Same") MP PUMPS, INC. 34800 BENNETT DRIVE FRASER, MI 48026-1686	3b Administrator's EIN <u>38-2846541</u>
	3c Administrator's telephone number <u>586-293-0240</u>
4 If the name and/or EIN of the plan sponsor has changed since the last return/report filed for this plan, enter the name, EIN, and the plan number from the last return/report.	4b EIN
a Sponsor's name	4c PN
5a Total number of participants at the beginning of the plan year	5a <u>65</u>
b Total number of participants at the end of the plan year.....	5b <u>0</u>
c Number of participants with account balances as of the end of the plan year (defined benefit plans do not complete this item).....	5c
6a Were all of the plan's assets during the plan year invested in eligible assets? (See instructions.)	☒ Yes ☐ No
b Are you claiming a waiver of the annual examination and report of an independent qualified public accountant (IQPA) under 29 CFR 2520.104-46? (See instructions on waiver eligibility and conditions.).....	☒ Yes ☐ No
If you answered "No" to either 6a or 6b, the plan cannot use Form 5500-SF and must instead use Form 5500.	

Part III	Financial Information
7 Plan Assets and Liabilities	
a Total plan assets	7a <u>545088</u>
b Total plan liabilities	7b <u>0</u>
c Net plan assets (subtract line 7b from line 7a).....	7c <u>545088</u>
8 Income, Expenses, and Transfers for this Plan Year	
a Contributions received or receivable from:	
(1) Employers	8a(1) <u>479827</u>
(2) Participants	8a(2) <u>0</u>
(3) Others (including rollovers).....	8a(3) <u>0</u>
b Other income (loss).....	8b <u>-5693</u>
c Total income (add lines 8a(1), 8a(2), 8a(3), and 8b)	8c <u>474134</u>
d Benefits paid (including direct rollovers and insurance premiums to provide benefits).....	8d <u>1001695</u>
e Certain deemed and/or corrective distributions (see instructions)....	8e <u>0</u>
f Administrative service providers (salaries, fees, commissions)	8f <u>17527</u>
g Other expenses.....	8g <u>0</u>
h Total expenses (add lines 8d, 8e, 8f, and 8g).....	8h <u>1019222</u>
i Net income (loss) (subtract line 8h from line 8c).....	8i <u>-545088</u>
j Transfers to (from) the plan (see instructions)	8j <u>0</u>

Part IV Plan Characteristics**9a** If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristic Codes in the instructions:

1B 1G 1I

b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristic Codes in the instructions:**Part V Compliance Questions**

	Yes	No	Amount
10 During the plan year:			
a Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? (See instructions and DOL's Voluntary Fiduciary Correction Program)		X	
b Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 10a.)		X	
c Was the plan covered by a fidelity bond?	X		200000
d Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?		X	
e Were any fees or commissions paid to any brokers, agents, or other persons by an insurance carrier, insurance service or other organization that provides some or all of the benefits under the plan? (See instructions.)		X	
f Has the plan failed to provide any benefit when due under the plan?		X	
g Did the plan have any participant loans? (If "Yes," enter amount as of year end.)		X	
h If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)			
i If 10h was answered "Yes," check the box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3			

Part VI Pension Funding Compliance

11 Is this a defined benefit plan subject to minimum funding requirements? (If "Yes," see instructions and complete Schedule SB (Form 5500)). ☒ Yes ☐ No

12 Is this a defined contribution plan subject to the minimum funding requirements of section 412 of the Code or section 302 of ERISA? .. ☐ Yes ☒ No
(If "Yes," complete 12a or 12b, 12c, 12d, and 12e below, as applicable.)

a If a waiver of the minimum funding standard for a prior year is being amortized in this plan year, see instructions, and enter the date of the letter ruling granting the waiver. Month _____ Day _____ Year _____

If you completed line 12a, complete lines 3, 9, and 10 of Schedule MB (Form 5500), and skip to line 13.

b Enter the minimum required contribution for this plan year	12b	
c Enter the amount contributed by the employer to the plan for this plan year	12c	
d Subtract the amount in line 12c from the amount in line 12b. Enter the result (enter a minus sign to the left of a negative amount)	12d	

e Will the minimum funding amount reported on line 12d be met by the funding deadline? ☐ Yes ☐ No ☐ N/A

Part VII Plan Terminations and Transfers of Assets

13a Has a resolution to terminate the plan been adopted in any plan year? ☒ Yes ☐ No
If "Yes," enter the amount of any plan assets that reverted to the employer this year **13a** 0

b Were all the plan assets distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC? ☒ Yes ☐ No

c If during this plan year, any assets or liabilities were transferred from this plan to another plan(s), identify the plan(s) to which assets or liabilities were transferred. (See instructions.)

13c(1) Name of plan(s):	13c(2) EIN(s)	13c(3) PN(s)

Caution: A penalty for the late or incomplete filing of this return/report will be assessed unless reasonable cause is established.

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including, if applicable, a Schedule SB or Schedule MB completed and signed by an enrolled actuary, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

SIGN HERE	Filed with authorized/valid electronic signature.	10/06/2012	DAVID BOVENIZER
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE			
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor

SCHEDULE SB (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Single-Employer Defined Benefit Plan Actuarial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code). ▶ File as an attachment to Form 5500 or 5500-SF.	OMB No. 1210-0110 2011 This Form is Open to Public Inspection
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For calendar plan year 2011 or fiscal plan year beginning 01/01/2011 and ending 12/31/2011

▶ **Round off amounts to nearest dollar.**

▶ **Caution:** A penalty of \$1,000 will be assessed for late filing of this report unless reasonable cause is established.

A Name of plan <u>PENSION PLAN FOR HOURLY UNION EMPLOYEES OF MP PUMPS, INC.</u>	B Three-digit plan number (PN) ▶ <u>003</u>
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF <u>MP PUMPS, INC.</u>	D Employer Identification Number (EIN) <u>38-2846541</u>
E Type of plan: ☒ Single ☐ Multiple-A ☐ Multiple-B	F Prior year plan size: ☒ 100 or fewer ☐ 101-500 ☐ More than 500

Part I	Basic Information
1 Enter the valuation date: Month <u>01</u> Day <u>01</u> Year <u>2011</u>	
2 Assets:	
a Market value	2a <u>544491</u>
b Actuarial value	2b <u>544491</u>
3 Funding target/participant count breakdown:	
	(1) Number of participants (2) Funding Target
a For retired participants and beneficiaries receiving payment	3a <u>14</u> <u>333684</u>
b For terminated vested participants	3b <u>23</u> <u>132750</u>
c For active participants:	
(1) Non-vested benefits	3c(1) <u>2860</u>
(2) Vested benefits	3c(2) <u>238848</u>
(3) Total active	3c(3) <u>28</u> <u>241708</u>
d Total	3d <u>65</u> <u>708142</u>
4 If the plan is in at-risk status, check the box and complete lines (a) and (b)	☐
a Funding target disregarding prescribed at-risk assumptions	4a
b Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor	4b
5 Effective interest rate	5 <u>5.95 %</u>
6 Target normal cost	6 <u>0</u>

Statement by Enrolled Actuary

To the best of my knowledge, the information supplied in this schedule and accompanying schedules, statements and attachments, if any, is complete and accurate. Each prescribed assumption was applied in accordance with applicable law and regulations. In my opinion, each other assumption is reasonable (taking into account the experience of the plan and reasonable expectations) and such other assumptions, in combination, offer my best estimate of anticipated experience under the plan.

SIGN HERE	<u>09/15/2012</u>
Signature of actuary	Date
<u>LLOYD A. KATZ, FSA, EA</u>	<u>11-04654</u>
Type or print name of actuary	Most recent enrollment number
<u>THE BENEFIT PRACTICE</u>	<u>203-517-3501</u>
Firm name	Telephone number (including area code)
<u>1055 WASHINGTON BLVD., SUITE 540</u> <u>STAMFORD, CT 06901</u>	
Address of the firm	

If the actuary has not fully reflected any regulation or ruling promulgated under the statute in completing this schedule, check the box and see instructions ☐

For Paperwork Reduction Act Notice and OMB Control Numbers, see the instructions for Form 5500 or 5500-SF.

Schedule SB (Form 5500) 2011
v.012611

Part II Beginning of year carryover and prefunding balances		
	(a) Carryover balance	(b) Prefunding balance
7 Balance at beginning of prior year after applicable adjustments (line 13 from prior year)	0	0
8 Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	0	0
9 Amount remaining (line 7 minus line 8)	0	0
10 Interest on line 9 using prior year's actual return of _____ %		
11 Prior year's excess contributions to be added to prefunding balance:		
a Present value of excess contributions (line 38 from prior year)		4
b Interest on (a) using prior year's effective rate of <u>6.59</u> % except as otherwise provided (see instructions)		0
c Total available at beginning of current plan year to add to prefunding balance		4
d Portion of (c) to be added to prefunding balance		0
12 Other reductions in balances due to elections or deemed elections	0	0
13 Balance at beginning of current year (line 9 + line 10 + line 11d – line 12)	0	0

Part III Funding percentages		
14 Funding target attainment percentage	14	76.89 %
15 Adjusted funding target attainment percentage	15	76.89 %
16 Prior year's funding percentage for purposes of determining whether carryover/prefunding balances may be used to reduce current year's funding requirement	16	81.69 %
17 If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage	17	%

Part IV Contributions and liquidity shortfalls					
18 Contributions made to the plan for the plan year by employer(s) and employees:					
(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees
12/28/2011	479827	0			
			Totals ►	18(b)	479827
				18(c)	0

19 Discounted employer contributions – see instructions for small plan with a valuation date after the beginning of the year:		
a Contributions allocated toward unpaid minimum required contributions from prior years.	19a	0
b Contributions made to avoid restrictions adjusted to valuation date	19b	0
c Contributions allocated toward minimum required contribution for current year adjusted to valuation date	19c	452894
20 Quarterly contributions and liquidity shortfalls:		
a Did the plan have a "funding shortfall" for the prior year? ☒ Yes ☐ No		
b If 20a is "Yes," were required quarterly installments for the current year made in a timely manner? ☐ Yes ☒ No		
c If 20a is "Yes," see instructions and complete the following table as applicable:		
Liquidity shortfall as of end of quarter of this plan year		
(1) 1st	(2) 2nd	(3) 3rd

Part V Assumptions used to determine funding target and target normal cost

21 Discount rate:				
a Segment rates:	1st segment: 2.94%	2nd segment: 5.82%	3rd segment: 6.46 %	☐ N/A, full yield curve used
b Applicable month (enter code)				21b 0
22 Weighted average retirement age				22 65
23 Mortality table(s) (see instructions) ☐ Prescribed - combined ☒ Prescribed - separate ☐ Substitute				

Part VI Miscellaneous items

24 Has a change been made in the non-prescribed actuarial assumptions for the current plan year? If "Yes," see instructions regarding required attachment.	☐ Yes ☒ No
25 Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment.	☐ Yes ☒ No
26 Is the plan required to provide a Schedule of Active Participants? If "Yes," see instructions regarding required attachment.....	☒ Yes ☐ No
27 If the plan is eligible for (and is using) alternative funding rules, enter applicable code and see instructions regarding attachment.....	27

Part VII Reconciliation of unpaid minimum required contributions for prior years

28 Unpaid minimum required contributions for all prior years	28	0
29 Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a).....	29	0
30 Remaining amount of unpaid minimum required contributions (line 28 minus line 29)	30	0

Part VIII Minimum required contribution for current year

31 Target normal cost and excess assets (see instructions):			
a Target normal cost (line 6)	31a	0	
b Excess assets, if applicable, but not greater than 31a	31b	0	
32 Amortization installments:	Outstanding Balance	Installment	
a Net shortfall amortization installment	163651	29334	
b Waiver amortization installment	0	0	
33 If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____) and the waived amount	33		
34 Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33)...	34	29334	
	Carryover balance	Prefunding balance	Total balance
35 Balances elected for use to offset funding requirement.....	0	0	0
36 Additional cash requirement (line 34 minus line 35)	36	29334	
37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)	37	452894	
38 Present value of excess contributions for current year (see instructions)			
a Total (excess, if any, of line 37 over line 36)	38a	423560	
b Portion included in line 38a attributable to use of prefunding and funding standard carryover balances	38b	0	
39 Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37)	39	0	
40 Unpaid minimum required contributions for all years.....	40	0	

Part IX Pension funding relief under Pension Relief Act of 2010 (see instructions)

41 If a shortfall amortization base is being amortized pursuant to an alternative amortization schedule:			
a Schedule elected	☐ 2 plus 7 years ☐ 15 years		
b Eligible plan year(s) for which the election in line 41a was made	☐ 2008 ☐ 2009 ☐ 2010 ☐ 2011		
42 Amount of acceleration adjustment	42		
43 Excess installment acceleration amount to be carried over to future plan years	43		

Pension Plan for Hourly Union Employees of MP Pumps, Inc.

EIN: 38-2846541 PN: 003

Schedule SB, Line 19 – Discounted Employer Contributions

<u>Date</u>	<u>Amount</u>	<u>Plan Year Applied</u>	<u>Applicable Rate</u>	<u>Discounted Amount</u>	
12/28/2011	4,968	2011	9.49%	4,542	(1)
12/28/2011	4,968	2011	8.22%	4,595	(2)
12/28/2011	4,968	2011	6.95%	4,649	(3)
12/28/2011	464,923	2011	5.95%	439,108	

Total: 479,827

Total: 452,894

-
- (1) 10.95% to the quarterly due date of 4/15/11, 5.95% from 4/15/11 to 1/1/11.
(2) 10.95% to the quarterly due date of 7/15/11, 5.95% from 7/15/11 to 1/1/11.
(3) 10.95% to the quarterly due date of 10/15/11, 5.95% from 10/15/11 to 1/1/11.

Pension Plan for Hourly Union Employees of MP Pumps, Inc.

EIN: 38-2846541 PN: 003

Schedule SB, Line 22 – Description of Weighted Average Retirement Age

Each participant is assumed to retire at his or her normal retirement age.

The age specified in the plan as normal retirement age is 65.

Actuarial Basis

A. Funding Method

The valuation method is the actuarial cost method prescribed under Section 430 of the Internal Revenue Code.

Under this method, the following terms are used:

The Funding Target is the sum of the present value of all benefits accrued or earned under the plan as of the beginning of the plan year.

The Applicable Funding Target is equal to the Funding Target multiplied by the applicable transition percentage under the Worker, Retiree, and Employer Recovery Act of 2008.

The Target Normal Cost is the sum of the present value of all benefits which are expected to accrue or be earned under the plan during the plan year.

The Carryover Balance maintained by the plan was set equal to the Credit Balance, if any, in the Funding Standard Account as of the final day of the 2007 plan year. It is decreased when used to reduce the minimum required contribution in succeeding plan years. The unused portion is adjusted to reflect the rate of return on plan assets in those succeeding plan years.

The Prefunding Balance is the accumulation of discounted contributions in excess of the Minimum Required Contribution for 2008 and later plan years. It is decreased when used, and adjusted for return on plan assets, similarly to the Carryover Balance.

The Funding Shortfall is equal to the Funding Target, less the Actuarial Value of Assets, reduced by the Prefunding Balance and the Carryover Balance.

The Adjusted Funding Shortfall is equal to the Applicable Funding Target, less the Actuarial Value of Assets, reduced by the Prefunding Balance and the Carryover Balance.

A Shortfall Amortization Base is established for a plan year equal to the Adjusted Funding Shortfall less the present value of the existing Shortfall Amortization Installments and Waiver Amortization Installments, if any. Under some circumstances, no Shortfall Amortization Base may need to be established and/or prior Shortfall Amortization Bases may be eliminated.

A Shortfall Amortization Installment is the amount necessary to amortize the Shortfall Amortization Base over the 7-plan-year period beginning with the plan year it is established. Under PRA 2010, an extended amortization period may be elected by the plan sponsor for certain plan years.

B. Actuarial Assumptions

Interest:

For funding:

Segment rates prescribed by the IRS in Section 430(h)(2)(C) for the month of January 2011.

<u>Discount period</u>	<u>Segment rate</u>
0 to 5 years	2.94%
5 to 20 years	5.82%
20 years or longer	6.46%

For ASC 960:

6.75% per annum.

Mortality:

For funding:

Pre-retirement: 2011 Mortality Tables prescribed by the IRS under Section 430(h)(3) for Non-Annuitants, Males and Females, respectively.

Post-retirement (Annuity Distributions): 2011 Mortality Tables prescribed by the IRS under Section 430(h)(3) for Annuitants, Males and Females, respectively.

Post-retirement (Lump Sum Distributions): 2011 Mortality Tables prescribed by the IRS under Section 430(h)(3) for Lump Sum Distributions.

For ASC 960:

Pre-retirement: none assumed

Post-retirement: 1983 Individual Annuity Mortality Table for Males and Females, respectively, projected to 2000 using Scale G.

Turnover: The following chart illustrates representative assumed withdrawal rates.

Age	Percent Withdrawal
20	49.71%
25	29.75%
30	19.77%
35	13.77%
40	9.70%
45	5.53%
50	3.25%
55	0.76%
60	0.00%

Retirement: Age 65.

Salary: 0.00% per annum.

Lump Sum Election Percentage: 0.00%

Compensation Limit Indexation: 0.00% per annum.

Social Security: N/A.

Spouse's Benefit: Based on actual data. When actual data is not available, it is assumed that husbands are 3 years older than wives.

Married Percentage: 100% of participants are assumed to be married.

Disability: None assumed.

C. Valuation of Assets: The actuarial value of assets is the market value.

Summary of Plan Provisions

DEFINITIONS:

Years of Credited Service:

All years of participation with the employer from date of hire to termination of employment, or Normal Retirement Date, based on 1,800 hours equaling one year of service. For years a participant works under 1,800 hours, the participant is credited a fractional year of service equal to the number of hours worked divided by 1,800, rounded to the nearest 1/10 year. Years of service earned before January 1, 1978 are included for benefit purposes. Years of service earned after March 18, 2009 are excluded for benefit purposes.

Years of Vesting Service:

All years of participation with the employer from date of hire to termination of employment, or Normal Retirement Date, based on 1,000 hours equaling one year of service. For years a participant works under 1,000 hours, the participant is credited a fractional year of service equal to the number of hours worked divided by 1,800 rounded to the nearest 1/10 year. Years of service earned before January 1, 1978 are included for vesting purposes.

Normal Form of Annuity:

Life annuity.

Normal Retirement Date:

The first day of the month coinciding with or following the attainment of age 65 or the fifth anniversary of participation in the plan, whichever comes later.

PENSION BENEFITS:

Eligibility for Plan Participation:

Immediate upon date of hire.

Benefit Formula:

\$13.50 monthly benefit, multiplied by Years of Credited Service. No benefits are accrued for service after March 18, 2009.

Early Retirement:

Eligibility: Age 55 and 10 years of Credited Service

Benefit Formula: Same as normal retirement benefit, based on service at date of early retirement, reduced by 0.5% for each complete month the date of commencement precedes normal retirement date.

Vested:

Eligibility: 100% vested after 5 years of service; 0% otherwise. Employees actively employed on October 31, 2008 are deemed 100% vested of that date.

Benefit Formula: Same as normal retirement benefit, based on service at date of termination, deferred to normal retirement age.

If, after termination, the requirements for early retirement are subsequently met, the benefit may commence before normal retirement age, reduced by the following factors:

Commencement Age	Reduction Factor
65	100.0%
64	89.7%
63	80.7%
62	72.8%
61	65.8%
60	59.6%
59	54.2%
58	49.4%
57	45.0%
56	41.2%
55	37.7%

Pre-Retirement Death Benefit

Eligibility: Vested participants.

Benefit Formula: 50% of the pension benefit accrued to the date of death, actuarially reduced by the appropriate early commencement factor.

Pension Plan for Hourly Union Employees of MP Pumps, Inc.

EIN: 38-2846541 PN: 003

Schedule SB, Line 26 – Schedule of Active Participant Data

Attained Years of Credited Service

Age	Under 1	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 & up	Total
Under 25											
25 to 29											
30 to 34				1							1
35 to 39											
40 to 44											
45 to 49		3	3			1					7
50 to 54	1	4	1	1	1						8
55 to 59		1	3	2	2						8
60 to 64		1	1			1					3
65 to 69				1							1
70 & up											
Total	1	9	8	5	3	2					28

Pension Plan for Hourly Union Employees of MP Pumps, Inc.

EIN: 38-2846541 PN: 003

Schedule SB, Line 32 – Schedule of Amortization Bases

Type of <u>Base</u>	Present Value of Remaining <u>Installment</u>	Date Base Established	Amortization Period <u>Remaining</u>	Amortization <u>Installment</u>
Total Shortfall	\$ 163,651			\$ 29,334
Shortfall	58,549	January 1, 2011	7	9,461
Shortfall	81,769	January 1, 2010	6	14,932
Shortfall	23,333	January 1, 2009	5	4,941
<hr/>				
Total Waiver	\$ -			\$ -

**SCHEDULE SB
(Form 5500)**Department of the Treasury
Internal Revenue ServiceDepartment of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

**Single-Employer Defined Benefit Plan
Actuarial Information**

This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code).

▶ **File as an attachment to Form 5500 or 5500-SF.**

OMB No. 1210-0110

2011**This Form is Open to Public
Inspection**

For calendar plan year 2011 or fiscal plan year beginning 01/01/2011 and ending 12/31/2011

▶ **Round off amounts to nearest dollar.**▶ **Caution:** A penalty of \$1,000 will be assessed for late filing of this report unless reasonable cause is established.**A Name of plan**

Pension Plan for Hourly Union Employees of MP Pumps, Inc.

**B Three-digit
plan number (PN)**

003

C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF

MP Pumps, Inc.

D Employer Identification Number (EIN)

38-2846541

E Type of plan: ☒ Single ☐ Multiple-A ☐ Multiple-B**F Prior year plan size:** ☒ 100 or fewer ☐ 101-500 ☐ More than 500**Part I Basic Information****1** Enter the valuation date: Month 1 Day 1 Year 2011**2 Assets:**

	2a	
a Market value		544,491
b Actuarial value	2b	544,491

3 Funding target/participant count breakdown:

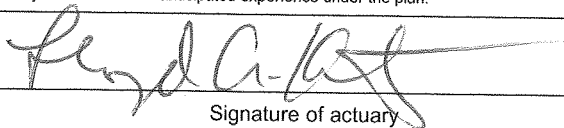
	(1) Number of participants	(2) Funding Target
a For retired participants and beneficiaries receiving payment.....	3a	
b For terminated vested participants	3b	
c For active participants:		
(1) Non-vested benefits.....	3c(1)	
(2) Vested benefits	3c(2)	
(3) Total active.....	3c(3)	
d Total.....	3d	

4 If the plan is in at-risk status, check the box and complete lines (a) and (b)..... ☐

	4a	4b
a Funding target disregarding prescribed at-risk assumptions		
b Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor		

5 Effective interest rate **5** 5.95 %**6** Target normal cost **6** 0**Statement by Enrolled Actuary**

To the best of my knowledge, the information supplied in this schedule and accompanying schedules, statements and attachments, if any, is complete and accurate. Each prescribed assumption was applied in accordance with applicable law and regulations. In my opinion, each other assumption is reasonable (taking into account the experience of the plan and reasonable expectations) and such other assumptions, in combination, offer my best estimate of anticipated experience under the plan.

**SIGN
HERE**

Signature of actuary

Lloyd A. Katz, FSA, EA

Type or print name of actuary

The Benefit Practice

1055 Washington Blvd., Suite 540

Firm name

Stamford

CT 06901

Address of the firm

9/15/12

Date

11-04654

Most recent enrollment number

(203) 517-3501

Telephone number (including area code)

If the actuary has not fully reflected any regulation or ruling promulgated under the statute in completing this schedule, check the box and see instructions ☐

For Paperwork Reduction Act Notice and OMB Control Numbers, see the instructions for Form 5500 or 5500-SF.

Schedule SB (Form 5500) 2011
v.012611

Part II Beginning of year carryover and prefunding balances

	(a) Carryover balance	(b) Prefunding balance
7 Balance at beginning of prior year after applicable adjustments (line 13 from prior year).....	0	0
8 Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	0	0
9 Amount remaining (line 7 minus line 8).....	0	0
10 Interest on line 9 using prior year's actual return of _____ %.....		
11 Prior year's excess contributions to be added to prefunding balance:		
a Present value of excess contributions (line 38 from prior year)		4
b Interest on (a) using prior year's effective rate of <u>6.59</u> % except as otherwise provided (see instructions).....		0
c Total available at beginning of current plan year to add to prefunding balance.....		4
d Portion of (c) to be added to prefunding balance.....		0
12 Other reductions in balances due to elections or deemed elections.....	0	0
13 Balance at beginning of current year (line 9 + line 10 + line 11d - line 12).....	0	0

Part III Funding percentages

14 Funding target attainment percentage	14	76.89 %
15 Adjusted funding target attainment percentage	15	76.89 %
16 Prior year's funding percentage for purposes of determining whether carryover/prefunding balances may be used to reduce current year's funding requirement.....	16	81.69 %
17 If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage.	17	%

Part IV Contributions and liquidity shortfalls

18 Contributions made to the plan for the plan year by employer(s) and employees:

(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees
12/28/2011	479,827	0			
Totals •			18(b)	479,827	18(c)
					0

19 Discounted employer contributions – see instructions for small plan with a valuation date after the beginning of the year:

a Contributions allocated toward unpaid minimum required contributions from prior years.	19a	0
b Contributions made to avoid restrictions adjusted to valuation date.....	19b	0
c Contributions allocated toward minimum required contribution for current year adjusted to valuation date.....	19c	452,894

20 Quarterly contributions and liquidity shortfalls:

a Did the plan have a "funding shortfall" for the prior year? ☒ Yes ☐ No

b If 20a is "Yes," were required quarterly installments for the current year made in a timely manner? ☐ Yes ☒ No

c If 20a is "Yes," see instructions and complete the following table as applicable:

Liquidity shortfall as of end of quarter of this plan year			
(1) 1st	(2) 2nd	(3) 3rd	(4) 4th

Part V Assumptions used to determine funding target and target normal cost**21** Discount rate:**a** Segment rates:1st segment:
2.94 %2nd segment:
5.82 %3rd segment:
6.46 %☐ N/A, full yield curve used**b** Applicable month (enter code).....**21b**

0

22 Weighted average retirement age**22**

65

23 Mortality table(s) (see instructions) ☐ Prescribed - combined ☒ Prescribed - separate ☐ Substitute**Part VI Miscellaneous items****24** Has a change been made in the non-prescribed actuarial assumptions for the current plan year? If "Yes," see instructions regarding required attachment. ☐ Yes ☒ No**25** Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment. ☐ Yes ☒ No**26** Is the plan required to provide a Schedule of Active Participants? If "Yes," see instructions regarding required attachment. ☒ Yes ☐ No**27** If the plan is eligible for (and is using) alternative funding rules, enter applicable code and see instructions regarding attachment**27****Part VII Reconciliation of unpaid minimum required contributions for prior years****28** Unpaid minimum required contributions for all prior years**28**

0

29 Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a)**29**

0

30 Remaining amount of unpaid minimum required contributions (line 28 minus line 29)**30**

0

Part VIII Minimum required contribution for current year**31** Target normal cost and excess assets (see instructions):**a** Target normal cost (line 6)**31a**

0

b Excess assets, if applicable, but not greater than 31a**31b**

0

32 Amortization installments:**a** Net shortfall amortization installment

Outstanding Balance

Installment

163,651

29,334

b Waiver amortization installment

0

0

33 If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____) and the waived amount**33****34** Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33)**34**

29,334

Carryover balance

Prefunding balance

Total balance

35 Balances elected for use to offset funding requirement

0

0

0

36 Additional cash requirement (line 34 minus line 35)**36**

29,334

37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)**37**

452,894

38 Present value of excess contributions for current year (see instructions)**a** Total (excess, if any, of line 37 over line 36)**38a**

423,560

b Portion included in line 38a attributable to use of prefunding and funding standard carryover balances**38b**

0

39 Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37)**39**

0

40 Unpaid minimum required contributions for all years**40**

0

Part IX Pension funding relief under Pension Relief Act of 2010 (see instructions)**41** If a shortfall amortization base is being amortized pursuant to an alternative amortization schedule:**a** Schedule elected☐ 2 plus 7 years☐ 15 years**b** Eligible plan year(s) for which the election in line 41a was made☐ 2008☐ 2009☐ 2010☐ 2011**42** Amount of acceleration adjustment**42****43** Excess installment acceleration amount to be carried over to future plan years**43**