

Form 5500 Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Annual Return/Report of Employee Benefit Plan This form is required to be filed for employee benefit plans 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.	OMB Nos. 1210-0110 1210-0089 2016 This Form is Open to Public Inspection
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Part I	Annual Report Identification Information		
For calendar plan year 2016 or fiscal plan year beginning <u>01/01/2016</u> and ending <u>12/31/2016</u>			
A This return/report is for:	☐ a multiemployer plan	☐ a multiple-employer plan (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.)	
	☒ a single-employer plan	☐ a DFE (specify) _____	
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 If the plan is a collectively-bargained plan, check here.	☒ X		
D Check box if filing under:	☒ Form 5558	☐ automatic extension	☐ the DFVC program
	☐ special extension (enter description)		

Part II	Basic Plan Information —enter all requested information		
1a Name of plan <u>EQUISTAR CHEMICALS, LP SAVINGS & INVESTMENT PLAN FOR HOURLY REPRESENTED EMPLOYEES</u>	1b Three-digit plan number (PN) ►	<u>007</u>	
	1c Effective date of plan	<u>01/28/1988</u>	
2a Plan sponsor's name (employer, if for a single-employer plan) Mailing address (include room, apt., suite no. and street, or P.O. Box) City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions) <u>EQUISTAR CHEMICALS, LP</u> <u>1221 MCKINNEY ST, STE 300</u> <u>HOUSTON, TX 77010</u>	2b Employer Identification Number (EIN) <u>76-0550481</u>		
	2c Plan Sponsor's telephone number <u>713-309-7200</u>		
	2d Business code (see instructions) <u>325900</u>		

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 accompanying schedules, statements and attachments, 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	<u>Filed with authorized/valid electronic signature.</u>	<u>07/18/2017</u>	<u>BECKI PATTERSON HOLMES</u>
	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
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE
Preparer's name (including firm name, if applicable) and address (include room or suite number)			Preparer's telephone number

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Form 5500 (2016)
v. 160205

3a Plan administrator's name and address ☐ Same as Plan Sponsor BENEFITS ADMINISTRATIVE COMMITTEE 1221 MCKINNEY ST, STE 300 HOUSTON, TX 77010	3b Administrator's EIN 20-3443655 <hr/> 3c Administrator's telephone number 713-309-7200 <hr/>
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: a Sponsor's name	4b EIN <hr/> 4c PN
5 Total number of participants at the beginning of the plan year	5 56
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1) , 6a(2) , 6b , 6c , and 6d). a(1) Total number of active participants at the beginning of the plan year..... a(2) Total number of active participants at the end of the plan year b Retired or separated participants receiving benefits..... c Other retired or separated participants entitled to future benefits d Subtotal. Add lines 6a(2) , 6b , and 6c e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits. f Total. Add lines 6d and 6e g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item) h Number of participants that terminated employment during the plan year with accrued benefits that were less than 100% vested	6a(1) 37 6a(2) 28 6b 0 6c 16 6d 44 6e 2 6f 46 6g 46 6h 1
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item).....	7
8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions: 2F 2G 2J 2K 3H 2E 2R 2T b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:	

9a Plan funding arrangement (check all that apply) (1) ☐ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor	9b Plan benefit arrangement (check all that apply) (1) ☐ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor
10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)	
a Pension Schedules (1) ☒ R (Retirement Plan Information) (2) ☐ MB (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary (3) ☐ SB (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary	b General Schedules (1) ☐ H (Financial Information) (2) ☒ I (Financial Information – Small Plan) (3) ☐ <u>0</u> A (Insurance Information) (4) ☐ C (Service Provider Information) (5) ☒ D (DFE/Participating Plan Information) (6) ☐ G (Financial Transaction Schedules)

Part III Form M-1 Compliance Information (to be completed by welfare benefit plans)

11a If the plan provides welfare benefits, was the plan subject to the Form M-1 filing requirements during the plan year? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

If "Yes" is checked, complete lines 11b and 11c.

11b Is the plan currently in compliance with the Form M-1 filing requirements? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

11c Enter the Receipt Confirmation Code for the 2016 Form M-1 annual report. If the plan was not required to file the 2016 Form M-1 annual report, enter the Receipt Confirmation Code for the most recent Form M-1 that was required to be filed under the Form M-1 filing requirements. (Failure to enter a valid Receipt Confirmation Code will subject the Form 5500 filing to rejection as incomplete.)

Receipt Confirmation Code _____

<div>SCHEDULE D (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration</div>		<div>DFE/Participating Plan Information</div> <div>This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA).</div> <div>▶ File as an attachment to Form 5500.</div>		<div>OMB No. 1210-0110</div> <div>2016</div> <div>This Form is Open to Public Inspection.</div>	
For calendar plan year 2016 or fiscal plan year beginning 01/01/2016 and ending 12/31/2016					
A Name of plan EQUISTAR CHEMICALS, LP SAVINGS & INVESTMENT PLAN FOR HOURLY REPRESENTED EMPLOYEES				B Three-digit plan number (PN) ▶ 007	
C Plan or DFE sponsor's name as shown on line 2a of Form 5500 EQUISTAR CHEMICALS, LP				D Employer Identification Number (EIN) 76-0550481	
Part I Information on interests in MTIAs, CCTs, PSAs, and 103-12 IEs (to be completed by plans and DFEs) (Complete as many entries as needed to report all interests in DFEs)					
a Name of MTIA, CCT, PSA, or 103-12 IE: LYONDELL,EQUISTAR,HOUSTON REFIN MT					
b Name of sponsor of entity listed in (a): LYONDELLCH EQUISTARCH HOUSTON REFIN					
c EIN-PN 04-3452906-001		d Entity code M	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 2036255		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		

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Schedule D (Form 5500) 2016 v.160205

a Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
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103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
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103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
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103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)

Part II Information on Participating Plans (to be completed by DFEs)

(Complete as many entries as needed to report all participating plans)

a Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN

SCHEDULE I (Form 5500) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration</small> <small>Pension Benefit Guaranty Corporation</small>	Financial Information—Small Plan This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6058(a) of the Internal Revenue Code (the Code). ► File as an attachment to Form 5500.	OMB No. 1210-0110 <div style="border: 1px solid black; padding: 5px; display: inline-block;"> 2016 </div> This Form is Open to Public Inspection
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For calendar plan year 2016 or fiscal plan year beginning 01/01/2016 and ending 12/31/2016					
A Name of plan EQUISTAR CHEMICALS, LP SAVINGS & INVESTMENT PLAN FOR HOURLY REPRESENTED EMPLOYEES	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">B Three-digit plan number (PN) ►</td> <td style="width:40%; text-align: center; color: blue;">007</td> </tr> <tr> <td colspan="2" style="height: 20px;"></td> </tr> </table>	B Three-digit plan number (PN) ►	007		
B Three-digit plan number (PN) ►	007				
C Plan sponsor's name as shown on line 2a of Form 5500 EQUISTAR CHEMICALS, LP	D Employer Identification Number (EIN) 76-0550481				

Complete Schedule I if the plan covered fewer than 100 participants as of the beginning of the plan year. You may also complete Schedule I if you are filing as a small plan under the 80-120 participant rule (see instructions). Complete Schedule H if reporting as a large plan or DFE.

Part I	Small Plan Financial Information
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Report below the current value of assets and liabilities, income, expenses, transfers and changes in net assets during the plan year. Combine the value of plan assets held in more than one trust. Do not enter the value of the portion of an insurance contract that guarantees during this plan year to pay a specific dollar benefit at a future date. Include all income and expenses of the plan including any trust(s) or separately maintained fund(s) and any payments/receipts to/from insurance carriers. **Round off amounts to the nearest dollar.**

		(a) Beginning of Year	(b) End of Year
1 Plan Assets and Liabilities:			
a Total plan assets	1a	2011911	2143582
b Total plan liabilities	1b		
c Net plan assets (subtract line 1b from line 1a)	1c	2011911	2143582
2 Income, Expenses, and Transfers for this Plan Year:		(a) Amount	(b) Total
a Contributions received or receivable:			
(1) Employers.....	2a(1)	41502	
(2) Participants.....	2a(2)	60835	
(3) Others (including rollovers)	2a(3)		
b Noncash contributions	2b		
c Other income.....	2c	143373	
d Total income (add lines 2a(1), 2a(2), 2a(3), 2b, and 2c)	2d		245710
e Benefits paid (including direct rollovers)	2e	98978	
f Corrective distributions (see instructions)	2f		
g Certain deemed distributions of participant loans (see instructions).....	2g		
h Administrative service providers (salaries, fees, and commissions)	2h	364	
i Other expenses	2i	1043	
j Total expenses (add lines 2e, 2f, 2g, 2h, and 2i).....	2j		100385
k Net income (loss) (subtract line 2j from line 2d)	2k		145325
l Transfers to (from) the plan (see instructions)	2l		-13654

3 Specific Assets: If the plan held assets at any time during the plan year in any of the following categories, check "Yes" and enter the current value of any assets remaining in the plan as of the end of the plan year. Allocate the value of the plan's interest in a commingled trust containing the assets of more than one plan on a line-by-line basis unless the trust meets one of the specific exceptions described in the instructions.				
		Yes	No	Amount
a Partnership/joint venture interests	3a		X	
b Employer real property	3b		X	
c Real estate (other than employer real property).....	3c		X	
d Employer securities	3d		X	
e Participant loans	3e	X		106826
f Loans (other than to participants)	3f		X	
g Tangible personal property.....	3g		X	

Part II Compliance Questions

4 During the plan year:		Yes	No	Amount
a	Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program.)		X	
4a				
b	Were any loans by the plan or fixed income obligations due the plan in default as of the close of plan year or classified during the year as uncollectible? Disregard participant loans secured by the participant's account balance.		X	
4b				
c	Were any leases to which the plan was a party in default or classified during the year as uncollectible?		X	
4c				
d	Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a.)		X	
4d				
e	Was the plan covered by a fidelity bond?	X		52300160
4e				
f	Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?		X	
4f				
g	Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser?		X	
4g				
h	Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser?		X	
4h				
i	Did the plan at any time hold 20% or more of its assets in any single security, debt, mortgage, parcel of real estate, or partnership/joint venture interest?		X	
4i				
j	Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?		X	
4j				
k	Are you claiming a waiver of the annual examination and report of an independent qualified public accountant (IQPA) under 29 CFR 2520.104-46? If "No," attach an IQPA's report or 2520.104-50 statement. (See instructions on waiver eligibility and conditions.)		X	
4k				
l	Has the plan failed to provide any benefit when due under the plan?		X	
4l				
m	If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)		X	
4m				
n	If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3			
4n				
o	Defined Benefit Plan or Money Purchase Pension Plan Only: Were any distributions made during the plan year to an employee who attained age 62 and had not separated from service?			
4o				

5a Has a resolution to terminate the plan been adopted during the plan year or any prior plan year?If "Yes," enter the amount of any plan assets that reverted to the employer this year..... ☐ Yes ☒ No **Amount:****5b** 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.)

5b(1) Name of plan(s)	5b(2) EIN(s)	5b(3) PN(s)
LYONDELLBASEL SAVINGS PLAN	95-4160558	007

5c If the plan is a defined benefit plan, is it covered under the PBGC insurance program (See ERISA section 4021.)? ☐ Yes ☐ No ☐ Not determined.

If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year _____. (See instructions.)

Part III Trust Information

6a Name of trust	6b Trust's EIN
6c Name of trustee or custodian	6d Trustee's or custodian telephone number

SCHEDULE R (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Retirement Plan Information This schedule is required to be filed under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6058(a) of the Internal Revenue Code (the Code). ▶ File as an attachment to Form 5500.	OMB No. 1210-0110 2016 This Form is Open to Public Inspection.
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For calendar plan year 2016 or fiscal plan year beginning 01/01/2016 and ending 12/31/2016

A Name of plan <u>EQUISTAR CHEMICALS, LP SAVINGS & INVESTMENT PLAN FOR HOURLY REPRESENTED EMPLOYEES</u>	B Three-digit plan number (PN) ▶ <u>007</u>
C Plan sponsor's name as shown on line 2a of Form 5500 <u>EQUISTAR CHEMICALS, LP</u>	D Employer Identification Number (EIN) <u>76-0550481</u>

Part I	Distributions
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All references to distributions relate only to payments of benefits during the plan year.

1 Total value of distributions paid in property other than in cash or the forms of property specified in the instructions	1	<u>0</u>
2 Enter the EIN(s) of payor(s) who paid benefits on behalf of the plan to participants or beneficiaries during the year (if more than two, enter EINs of the two payors who paid the greatest dollar amounts of benefits): EIN(s): <u>04-6568107</u>		
Profit-sharing plans, ESOPs, and stock bonus plans, skip line 3.		
3 Number of participants (living or deceased) whose benefits were distributed in a single sum, during the plan year	3	

Part II	Funding Information (If the plan is not subject to the minimum funding requirements of section 412 of the Internal Revenue Code or ERISA section 302, skip this Part.)
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4 Is the plan administrator making an election under Code section 412(d)(2) or ERISA section 302(d)(2)?	☐ Yes	☐ No	☐ N/A
If the plan is a defined benefit plan, go to line 8.			
5 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 ruling letter granting the waiver. Date: Month _____ Day _____ Year _____ If you completed line 5, complete lines 3, 9, and 10 of Schedule MB and do not complete the remainder of this schedule.			
6 a Enter the minimum required contribution for this plan year (include any prior year accumulated funding deficiency not waived)	6a		
b Enter the amount contributed by the employer to the plan for this plan year	6b		
c Subtract the amount in line 6b from the amount in line 6a. Enter the result (enter a minus sign to the left of a negative amount)	6c		
If you completed line 6c, skip lines 8 and 9.			
7 Will the minimum funding amount reported on line 6c be met by the funding deadline?	☐ Yes	☐ No	☐ N/A
8 If a change in actuarial cost method was made for this plan year pursuant to a revenue procedure or other authority providing automatic approval for the change or a class ruling letter, does the plan sponsor or plan administrator agree with the change?	☐ Yes	☐ No	☐ N/A

Part III	Amendments
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9 If this is a defined benefit pension plan, were any amendments adopted during this plan year that increased or decreased the value of benefits? If yes, check the appropriate box. If no, check the "No" box.....	☐ Increase	☐ Decrease	☐ Both	☐ No
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Part IV	ESOPs (see instructions). If this is not a plan described under Section 409(a) or 4975(e)(7) of the Internal Revenue Code, skip this Part.
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10 Were unallocated employer securities or proceeds from the sale of unallocated securities used to repay any exempt loan?	☐ Yes	☐ No
11 a Does the ESOP hold any preferred stock?	☐ Yes	☐ No
b If the ESOP has an outstanding exempt loan with the employer as lender, is such loan part of a "back-to-back" loan? (See instructions for definition of "back-to-back" loan.)	☐ Yes	☐ No
12 Does the ESOP hold any stock that is not readily tradable on an established securities market?	☐ Yes	☐ No

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Schedule R (Form 5500) 2016
v. 160205

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

13 Enter the following information for each employer that contributed more than 5% of total contributions to the plan during the plan year (measured in dollars). See instructions. *Complete as many entries as needed to report all applicable employers.*

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

14	Enter the number of participants on whose behalf no contributions were made by an employer as an employer of the participant for:		
	a The current year	14a	
	b The plan year immediately preceding the current plan year	14b	
	c The second preceding plan year	14c	
15	Enter the ratio of the number of participants under the plan on whose behalf no employer had an obligation to make an employer contribution during the current plan year to:		
	a The corresponding number for the plan year immediately preceding the current plan year	15a	
	b The corresponding number for the second preceding plan year	15b	
16	Information with respect to any employers who withdrew from the plan during the preceding plan year:		
	a Enter the number of employers who withdrew during the preceding plan year	16a	
	b If line 16a is greater than 0, enter the aggregate amount of withdrawal liability assessed or estimated to be assessed against such withdrawn employers	16b	
17	If assets and liabilities from another plan have been transferred to or merged with this plan during the plan year, check box and see instructions regarding supplemental information to be included as an attachment. ☐		

Part VI	Additional Information for Single-Employer and Multiemployer Defined Benefit Pension Plans
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18	If any liabilities to participants or their beneficiaries under the plan as of the end of the plan year consist (in whole or in part) of liabilities to such participants and beneficiaries under two or more pension plans as of immediately before such plan year, check box and see instructions regarding supplemental information to be included as an attachment	☐
19	If the total number of participants is 1,000 or more, complete lines (a) through (c)	
	a Enter the percentage of plan assets held as: Stock: _____% Investment-Grade Debt: _____% High-Yield Debt: _____% Real Estate: _____% Other: _____%	
	b Provide the average duration of the combined investment-grade and high-yield debt: ☐ 0-3 years ☐ 3-6 years ☐ 6-9 years ☐ 9-12 years ☐ 12-15 years ☐ 15-18 years ☐ 18-21 years ☐ 21 years or more	
	c What duration measure was used to calculate line 19(b)? ☐ Effective duration ☐ Macaulay duration ☐ Modified duration ☐ Other (specify): _____	

Part VII	IRS Compliance Questions
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20a Is the plan a 401(k) plan? If "No," skip b	☐ Yes ☐ No
20b How did the plan satisfy the nondiscrimination requirements for employee deferrals under section 401(k)(3) for the plan year? Check all that apply:	☐ Design-based safe harbor ☐ "Prior year" ADP test ☐ "Current year" ADP test ☐ N/A
21a What testing method was used to satisfy the coverage requirements under section 410(b) for the plan year? Check all that apply:	☐ Ratio percentage test ☐ Average benefit test ☐ N/A
21b Did the plan satisfy the coverage and nondiscrimination requirements of sections 410(b) and 401(a)(4) for the plan year by combining this plan with any other plan under the permissive aggregation rules?	☐ Yes ☐ No
22a If the plan is a master and prototype plan (M&P) or volume submitter plan that received a favorable IRS opinion letter or advisory letter, enter the date of the letter / / and the serial number .	
22b If the plan is an individually-designed plan that received a favorable determination letter from the IRS, enter the date of the most recent determination letter / / .	

**EQUISTAR CHEMICALS, LP SAVINGS
AND INVESTMENT PLAN FOR HOURLY
REPRESENTED EMPLOYEES**

FINANCIAL STATEMENTS

**As of December 31, 2016 and 2015
and for the year ended December 31, 2016**

**EQUISTAR CHEMICALS, LP SAVINGS
AND INVESTMENT PLAN FOR HOURLY
REPRESENTED EMPLOYEES**

INDEX TO FINANCIAL STATEMENTS

	<u>Page</u>
Independent Auditor's Report	3
Financial Statements:	
Statements of Net Assets Available for Benefits	4
Statement of Changes in Net Assets Available for Benefits	5
Notes to the Financial Statements	6



Report of Independent Auditors

To the Administrator of Equistar Chemicals, LP Savings and Investment Plan for Hourly Represented Employees

We have audited the accompanying financial statements of Equistar Chemicals, LP Savings and Investment Plan for Hourly Represented Employees (the "Plan"), which comprise the statements of net assets available for benefits as of December 31, 2016 and 2015, and the related statement of changes in net assets available for benefits for the year ended December 31, 2016, and the related notes to the financial statements.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditors' Responsibility

Our responsibility is to express an opinion on the financial statements based on our audits. We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on our judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, we consider internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

In our opinion, the financial statements referred to above present fairly, in all material respects, the net assets available for benefits of the Plan as of December 31, 2016 and 2015 and the changes in net assets available for benefits for the year ended December 31, 2016, in accordance with accounting principles generally accepted in the United States of America.

PricewaterhouseCoopers LLP

Houston, Texas
June 30, 2017

**EQUISTAR CHEMICALS, LP SAVINGS
AND INVESTMENT PLAN FOR HOURLY
REPRESENTED EMPLOYEES**

STATEMENTS OF NET ASSETS AVAILABLE FOR BENEFITS

	December 31,	
	2016	2015
ASSETS		
Investment in Lyondell Chemical Company, Equistar Chemicals, LP, and Houston Refining LP Master Trust, at fair value	\$ 2,033,837	\$ 1,905,563
Investment in Lyondell Chemical Company, Equistar Chemicals, LP, and Houston Refining LP Master Trust, at contract value	2,418	- -
Employer contributions receivable	501	- -
Notes receivable from participants	106,826	106,348
Net assets available for benefits	<u>\$ 2,143,582</u>	<u>\$ 2,011,911</u>

The accompanying notes are an integral part of these financial statements.

**EQUISTAR CHEMICALS, LP SAVINGS
AND INVESTMENT PLAN FOR HOURLY
REPRESENTED EMPLOYEES**

STATEMENT OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS

	For the Year Ended December 31, 2016
Contributions:	
Participant	\$ 60,835
Employer	41,503
Total contributions	<u>102,338</u>
Investment gain from the Lyondell Chemical Company, Equistar Chemicals, LP, and Houston Refining LP Master Trust	139,082
Interest income on notes receivable from participants	4,290
Benefits paid to participants	(98,978)
Transaction fees, net of revenue credit (Note 7)	<u>(1,407)</u>
Net increase before plan transfer	145,325
Net asset transfer activity	<u>(13,654)</u>
Net increase	131,671
Net assets available for benefits:	
Beginning of year	2,011,911
End of year	<u><u>\$ 2,143,582</u></u>

The accompanying notes are an integral part of these financial statements.

**EQUISTAR CHEMICALS, LP SAVINGS
AND INVESTMENT PLAN FOR HOURLY
REPRESENTED EMPLOYEES**

NOTES TO THE FINANCIAL STATEMENTS

1. Description of Plan

General – The Equistar Chemicals, LP Savings and Investment Plan for Hourly Represented Employees (the “Plan”) is a defined contribution plan for eligible employees and vested former employees covered under certain collective bargaining agreements with Equistar Chemicals, LP (“Equistar” or the “Company”), a Delaware limited partnership, or a participating affiliate. Equistar is an indirect wholly owned subsidiary of Lyondell Chemical Company (“Lyondell”).

Full-time or part-time employees who are represented by a collective bargaining agreement providing for membership under the Plan are eligible to participate immediately in the Plan upon the beginning of employment with Equistar. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 (“ERISA”). Participants should refer to the Plan document for a complete description of the Plan provisions.

Plan Administration – The Plan is administered by the Benefits Administrative Committee (“BAC”), which consists of individuals appointed by the Lyondell Board of Directors (“LBD”). Fidelity Workplace Services LLC (“FWS”) is the Plan’s recordkeeper. Plan assets are maintained in the Lyondell Chemical Company, Equistar Chemicals, LP, and Houston Refining LP Master Trust (“Master Trust”) under the custody of Fidelity Management Trust Company (“Trustee”). The Trustee makes payments in accordance with the provisions of the Plan. Equistar pays certain administrative expenses of the Plan. Equistar, the BAC and the Trustee are not responsible for the investment decisions of individual participants.

Transaction Fees – Any transaction fees related to withdrawals are paid by the participants from their accounts directly to FWS and are included in the Statement of Changes in Net Assets Available for Benefits.

Contributions – Subject to the Internal Revenue Code limitation on the maximum amount of an employee’s contributions on a pre-tax basis of \$18,000 in 2016, participants may contribute from 1% to 17% of their eligible earnings to the Plan through pre-tax payroll deductions (“Elective Deferrals”). Participants who have attained age 50 before the end of the Plan year are eligible to make catch-up contributions up to a maximum amount of \$6,000 in 2016.

Equistar makes matching contributions on behalf of participants at the rate of 75% of Elective Deferrals up to a maximum matching contribution of 4.5% of the participant’s eligible earnings. Participants are eligible for matching contributions immediately upon enrollment in the Plan. Generally, matching contributions and earnings thereon fully vest after 3 years of service and upon termination of employment by reason of death, retirement, or disability.

**EQUISTAR CHEMICALS, LP SAVINGS
AND INVESTMENT PLAN FOR HOURLY
REPRESENTED EMPLOYEES**

NOTES TO THE FINANCIAL STATEMENTS—(CONTINUED)

Investment Elections – There are twenty-six core investment options under the Plan, along with a self-directed brokerage account. In addition, effective July 1, 2014, the Plan offers a discretionary managed account service provided by Strategic Advisers, Inc. (“Strategic Advisers”) that participants may elect to utilize for a fee deducted from the participant’s Plan account. Under this service, Strategic Advisers serves as the investment manager, and actively manages the investment of the participant’s Plan account among the core investment options.

All investments in the Plan have some degree of risk. The Plan, the Company and their representatives do not guarantee the investment fund performance. Participation in the Plan is voluntary and participants are responsible for their investment decisions.

The core investment options provide a variety of investment styles and securities. The funds include conservative to aggressive investment fund choices and are monitored periodically by the Benefits Finance Committee (“BFC”), which consists of individuals appointed by the LBD.

The self-directed brokerage account is an option for those active investors participating in the Plan who are willing to assume the responsibility for monitoring the performance of their investments. The self-directed brokerage account provides a wide array of investments.

The BFC does not monitor the performance of the self-directed brokerage account. Participants investing in the self-directed brokerage account assume the individual responsibility of researching, evaluating, and tracking each investment in which they invest.

Participants are permitted to change their investment elections for future contributions at any time or change how their existing account balance is invested by transferring money between the different funds at any time.

All participant assets are held in the Master Trust. Contributions are invested, based on participants’ instructions, in any of the various above-described investment options, and the BFC is not responsible for the investment decisions of individual participants.

Participant Accounts – Each participant’s account is credited with the participant’s contribution and allocations of the Company’s contribution and Plan earnings. Allocations are based on participant earnings or account balances, as defined by the terms of the Plan. The benefit to which a participant is entitled is the benefit that can be provided from the participant’s vested account balance.

**EQUISTAR CHEMICALS, LP SAVINGS
AND INVESTMENT PLAN FOR HOURLY
REPRESENTED EMPLOYEES**

NOTES TO THE FINANCIAL STATEMENTS—(CONTINUED)

Benefits Paid to Participants – A participant’s vested account balance will be distributed in a single lump sum upon termination of employment for any reason, except that the participant must consent to a distribution prior to attainment of age 65 or death. However, if a participant’s vested account balance is \$1,000 or less, the participant’s vested account balance will be distributed as soon as practicable after termination without the participant’s consent.

The Plan permits in-service withdrawals of Elective Deferrals under certain hardship conditions as defined by the Plan. After-tax contributions (permitted in the past for certain participants) may be withdrawn in total or partial amounts at any time. In addition, all vested contributions are available for in-service withdrawal in total or partial amounts if the participant has attained age 59½.

Notes Receivable from Participants – The Plan permits employees to borrow from their vested account balance, as defined by the Plan and subject to a per loan minimum of \$1,000 and \$15,000 for general-purpose and residential loans, respectively, and a per loan maximum of the lesser of \$50,000 (reduced by the highest outstanding loan balance over the preceding 12 months) or 50% of the participant’s vested account balance (reduced by any other outstanding loan balance). The interest rate currently charged for loans is a fixed rate equal to the prime rate as supplied by Reuters as of the last business day of the month preceding the date the loan application was received by the Plan plus 1%, subject to a 6% maximum while a participant is on military leave of absence. The loans are secured by a portion of the balance in the participant’s account and bear interest at rates ranging from 4.25% to 4.50%. Repayment periods range from one to five years for general-purpose loans and one to ten years for residential loans. The loans and interest are repaid ratably through payroll deductions. Repaid principal and interest are added to investment funds according to the current investment elections of the participant. When a participant terminates employment with the Company and its affiliates, the unpaid balance of the participant’s loan(s) may continue to be repaid in a manner other than by payroll deduction. If a loan payment is not made by the last day of the calendar quarter following the calendar quarter in which it was due, the loan will be declared in default, and the outstanding balance (including accrued interest) will be automatically treated as a deemed distribution to the participant.

Forfeiture Account – The amounts forfeited under the Plan and placed in the Plan’s forfeiture account totaled \$260 during the year ended December 31, 2016. The balance in the Plan’s forfeiture account was \$366 and \$106 at December 31, 2016 and 2015, respectively. This account is used to reduce future matching contributions.

Termination Provision – Although it has not expressed any intent to do so, Equistar has the right to terminate the Plan at any time subject to the provisions of ERISA and the Internal Revenue Code of 1986, as amended (the “Code”). In the event of Plan termination, all participants will be fully vested in their accounts.

2. Summary of Significant Accounting Policies

Basis of Accounting – The financial statements of the Plan are prepared in accordance with generally accepted accounting principles in the United States of America (“U.S. GAAP”).

Accounting Guidance Issued But Not Adopted as of December 31, 2016 - In February 2017, the Financial Accounting Standards Board (the “FASB”) issued Accounting Standards Update (“ASU”) 2017-06, *Plan Accounting (Topics 960,962,965)-Employee Benefit Plan Master Trust Reporting*. The amendments require that for each master trust in a which a plan holds an interest, the plan’s interest in that master trust and any change in that interest, be presented in separate line items in the statement of net assets available for benefits and in the statement of changes in net assets available for benefits, respectively. In addition, the amendments remove the requirement to disclose the percentage interest in the master trust for plans with divided interests and require that all plans disclose the dollar amount of their

**EQUISTAR CHEMICALS, LP SAVINGS
AND INVESTMENT PLAN FOR HOURLY
REPRESENTED EMPLOYEES**

NOTES TO THE FINANCIAL STATEMENTS—(CONTINUED)

interest in each of those general types of investments within the plan's financial statements. This amendment will be effective for periods beginning after December 15, 2018. Early adoption of this ASU is permitted but not required. The adoption of this amendment is not expected to have a material impact on the presentation of the Plan's financial statements.

Recently Adopted Guidance – In May 2015, the FASB issued ASU 2015-07, *Fair Value Measurement (Topic 820): Disclosures for Investments in Certain Entities That Calculate Net Asset Value per Share (or Its Equivalent)*. The amendments in this ASU eliminate the requirement for investments measured using the net asset value per share practical expedient to be categorized in the fair value hierarchy. Additionally, reporting entities will no longer be required to make certain disclosures for investments that are eligible to be measured at fair value using the net asset value per share practical expedient. The amendments in this update are to be applied retrospectively and are effective for annual and interim periods beginning after December 15, 2015 with early adoption permitted. Our adoption of this amendment did not have an impact on our Plan's financial statements.

In July 2015, the FASB issued ASU 2015-12, *Plan Accounting: Defined Benefit Pension Plans (Topic 960), Defined Contribution Pension Plans (Topic 962), Health and Welfare Benefit Plans (Topic 965)*. The amendments in Part I Full Benefit-Responsive Investment Contracts, requires that fully benefit-responsive investment contracts are measured, presented and disclosed at contract value only. The amendments in Part II Plan Investment Disclosures eliminate disclosure requirements for investments that represent 5 percent or more of net assets available for benefits and eliminate the disaggregated disclosure of net appreciation or depreciation for investments by general type. In addition, certain presentation and disclosure matters which required disaggregation of investment information will only be disclosed by general type. The amendments in this update are effective for periods beginning after December 15, 2015. Our adoption of this amendment did not have a material impact on our Plan's financial statements.

Notes Receivable From Participants – Borrowings on a participant's vested account balance in the Plan are carried as notes receivable from participants, which are segregated from plan investments and measured at their unpaid principal balance plus any accrued but unpaid interest, on the Statements of Net Assets Available for Benefits.

Investment Valuation and Income Recognition – The fair value of the Plan's interest in the Master Trust is based on the beginning of the year value of the Plan's interest in the Master Trust plus actual contributions and allocated investment income (loss) less actual distributions. The Master Trust's assets are allocated among participating plans by assigning to each plan those transactions which can be specifically identified and by allocating among all plans, in proportion to the fair value of the assets assigned to each plan, income (loss) and expenses resulting from the collective investment of the assets of the Master Trust. The Plan's investments are stated at fair value. Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. See Note 5 for discussion of fair value measurements.

Purchases and sales of securities are accounted for on the trade date. Gains or losses on the sale or distribution of securities are computed on an average cost basis. Dividend income is accrued on the ex-dividend date and interest income is accrued as earned. The net appreciation or depreciation in the fair value of investments, which consists of the realized gains or losses and the unrealized appreciation or depreciation of those investments, is included in "Investment gain from the Lyondell Chemical Company, Equistar Chemicals, LP, and Houston Refining LP, Master Trust" in the Statement of Changes in Net Assets Available for Benefits.

Transfer Activity – Transfer activity includes transfers to and from other plans participating in the Master Trust.

Benefits Paid to Participants – Benefits are recorded when paid.

Use of Estimates – The preparation of the Plan's financial statements in conformity with U.S. GAAP requires the Plan's management to make estimates and assumptions that affect the reported amounts of net assets available for

**EQUISTAR CHEMICALS, LP SAVINGS
AND INVESTMENT PLAN FOR HOURLY
REPRESENTED EMPLOYEES**

NOTES TO THE FINANCIAL STATEMENTS—(CONTINUED)

benefits at the date of the financial statements and the changes in net assets available for benefits during the reporting period and, when applicable, the disclosures of contingent assets and liabilities at the date of the financial statements. Actual results could differ from those estimates.

Risks and Uncertainties – The Master Trust provides for various investment options in any combination of money market funds, mutual funds, common stock, bonds, and other investments consisting of stock options, rights, and warrants. Investment securities are exposed to various risks, such as market and credit risks. Changes in the values of investment securities will continue to occur in the near term and such changes could materially affect the amounts reported in the Statement of Net Assets Available for Benefits.

3. Tax Status

U.S. GAAP requires the Plan's management to evaluate tax positions taken by the Plan and recognize a tax liability (or asset) if the Plan has taken an uncertain position that more likely than not would not be sustained upon examination by the Internal Revenue Service ("IRS"). The plan administrator has analyzed the tax positions of the Plan, and has concluded that as of December 31, 2016 and 2015, there are no uncertain positions taken or expected to be taken that would require recognition of a liability (or asset) or disclosure in the financial statements. The Plan is subject to routine audits by taxing jurisdictions; however, there are currently no audits for any tax periods in progress. The statute of limitations for collecting income taxes from the Plan is closed for the years prior to 2011.

The Plan is a qualified plan under Sections 401(a) and (k) of the Code. The Plan has received a favorable determination letter from the IRS dated May 7, 2012. The Plan has been amended since receiving the determination letter. However, the BAC believes that the Plan is currently designed and being operated in compliance with the applicable requirements of the Code and, therefore, the related trust is tax-exempt. Accordingly, no provision is made for federal income taxes.

4. Lyondell Chemical Company, Equistar Chemicals, LP, and Houston Refining LP Master Trust

The Master Trust is a pooled investment trust composed of the beneficial interests of certain participating defined contribution plans of Lyondell Chemical Company, Equistar Chemicals, LP, and Houston Refining LP, all of which are related entities.

The Plan's investment assets are held in a trust account with the Trustee and consist of a specific interest in the Master Trust. The Plan's specific interest in the Master Trust was approximately 0.14% and 0.13% at December 31, 2016 and 2015, respectively.

**EQUISTAR CHEMICALS, LP SAVINGS
AND INVESTMENT PLAN FOR HOURLY
REPRESENTED EMPLOYEES**

NOTES TO THE FINANCIAL STATEMENTS—(CONTINUED)

The net assets available for benefits of the Master Trust as of December 31, 2016 and 2015 are as follows:

	December 31,	
	2016	2015
ASSETS		
Investments, at fair value:		
Mutual Funds	\$ 1,184,861,462	\$ 1,231,044,597
Self-Directed Brokerage Account	196,506,815	187,799,643
Total	<u>1,381,368,277</u>	<u>1,418,844,240</u>
Investment, at contract value:	116,668,164	- -
Total investments in Master Trust	1,498,036,441	1,418,844,240
Cash	867,578	526,324
Total net assets in Master Trust	<u><u>\$ 1,498,904,019</u></u>	<u><u>\$ 1,419,370,564</u></u>

The components of total investment income of the Master Trust for the year ended December 31, 2016 are as follows:

Investment income:	
Net appreciation (depreciation) in the fair value of investments:	\$ 57,515,802
Interest and dividend income:	
Interest income	131,865
Dividend income	50,959,520
Total	<u>51,091,385</u>
Total investment income	<u><u>\$ 108,607,187</u></u>

5. Fair Value Measurements

ASC 820 defines fair value as the exchange price that would be received for an asset or paid to transfer a liability (an exit price) in the principal or most advantageous market for the asset or liability in an orderly transaction between market participants. ASC 820 also specifies a fair value hierarchy based upon the observability of inputs used in valuation techniques. Observable inputs (highest level) reflect market data obtained from independent sources, while unobservable inputs (lowest level) reflect internally-developed market assumptions. In accordance with ASC 820, fair value measurements are classified using the following hierarchy:

Level 1 – Quoted prices for identical instruments in active markets.

**EQUISTAR CHEMICALS, LP SAVINGS
AND INVESTMENT PLAN FOR HOURLY
REPRESENTED EMPLOYEES**

NOTES TO THE FINANCIAL STATEMENTS—(CONTINUED)

Level 2 – Quoted prices for similar instruments in active markets; quoted prices for identical or similar instruments in markets that are not active; and model-derived valuations in which all significant inputs or significant value-drivers are observable in active markets.

Level 3 – Model-derived valuations in which one or more significant inputs or significant value-drivers are unobservable.

When available, quoted market prices are used to determine fair value and such measurements are classified within Level 1. In some cases where market prices are not available, observable market based inputs are used to calculate fair value, in which case the measurements are classified within Level 2. If quoted or observable market prices are not available, fair value is based upon internally-developed models that use, where possible, current market-based parameters such as interest rates, yield curves and currency rates. These measurements are classified within Level 3.

Fair value measurements are classified according to the lowest level input or value-driver that is significant to the valuation. A measurement may therefore be classified within Level 3 even though there may be significant inputs that are readily observable.

Changes in Fair Value Levels – Management reviews the disclosures regarding fair value measurements annually at year end. If an instrument classified as Level 1 subsequently ceases to be actively traded, it is transferred out of Level 1. In such cases, instruments are reclassified as Level 2, unless the measurement of its fair value requires the use of significant unobservable inputs, in which cases it is reclassified as Level 3.

Valuation methodologies used for major investment types measured at fair value include:

Mutual funds – Valued at the net asset value price of shares held by the Master Trust at year end.

Money market funds – Valued at the net asset value price of shares held by the Master Trust at year end.

Common stock – Valued at the closing price reported on the active market on which the individual securities are traded.

Corporate bonds – Certain bonds that are not traded on an exchange are valued at the quoted closing price reported by pricing services. Other bonds are valued based on yields currently available on comparable securities of issuers with similar credit ratings.

U.S. government and agency securities – Certain securities are valued at the closing price reported on the active market on which the individual securities are traded.

The preceding methods described may produce a fair value calculation that may not be indicative of net realizable value or reflective of future fair values. Furthermore, although the Company believes its valuation methods are appropriate and consistent with other market participants, the use of different methodologies or assumptions to determine the fair value of certain financial instruments could result in a different fair value measurement at the reporting date.

**EQUISTAR CHEMICALS, LP SAVINGS
AND INVESTMENT PLAN FOR HOURLY
REPRESENTED EMPLOYEES**

NOTES TO THE FINANCIAL STATEMENTS—(CONTINUED)

The investments of the Master Trust that are measured at fair value as of December 31, 2016 are summarized below:

	December 31, 2016			
	Fair Value	Level 1	Level 2	Level 3
Mutual Funds	\$ 1,184,861,462	\$ 1,184,861,462	\$ - -	\$ - -
Self-Directed Brokerage Account	196,506,815	195,488,755	1,018,060	- -
Total investments in Master Trust	<u>\$ 1,381,368,277</u>	<u>\$ 1,380,350,217</u>	<u>\$ 1,018,060</u>	<u>\$ - -</u>

The investments of the Master Trust that are measured at fair value as of December 31, 2015 are summarized below:

	December 31, 2015			
	Fair Value	Level 1	Level 2	Level 3
Mutual Funds	\$ 1,231,044,597	\$ 1,231,044,597	\$ - -	\$ - -
Self-Directed Brokerage Account	187,799,643	186,881,484	918,159	- -
Total investments in Master Trust	<u>\$ 1,418,844,240</u>	<u>\$ 1,417,926,081</u>	<u>\$ 918,159</u>	<u>\$ - -</u>

6. Fully Benefit-Responsive Investment Contract

The Master Trust invests in a fully benefit-responsive group annuity contract (“GAC”). The GAC primary investment objective is to provide preservation of principal, maintain a stable interest rate, and provide daily liquidity at contract value for Participant withdrawals and transfers. The GAC is reported at contract value. The contract value is generally equal to the principal amounts invested in the underlying investments, plus interest accrued at a crediting rate established under the contract, less any adjustments for withdrawals. There are no events that limit the ability of the Master Trust to transact at contract value with the issuer nor events which prevent the issuer from terminating the contract with the Plan and settling at contract value. The total contract value of the GAC is \$116,668,164.

7. Related-Party Transactions

Certain Master Trust investments are shares of mutual funds managed by Fidelity Management & Research Company. Fidelity Management Trust Company is the Trustee as defined by the Plan and, therefore, these transactions qualify as party-in-interest transactions. These party-in-interest transactions are permissible under the provisions of ERISA.

Effective April 1, 2013, a revenue credit account was established under the Plan to which the Trustee credits a negotiated portion of the revenue sharing payments it receives from fund managers with respect to investments under

**EQUISTAR CHEMICALS, LP SAVINGS
AND INVESTMENT PLAN FOR HOURLY
REPRESENTED EMPLOYEES**

NOTES TO THE FINANCIAL STATEMENTS—(CONTINUED)

the Plan. The portion of the revenue sharing payments retained by the Trustee is intended to cover the Trustee's routine administrative and trustee fees. The portion credited back to the Plan can be used to pay other reasonable administrative fees of the Plan or allocated to participants' accounts. During the year ended 2016, a total of \$1,435 was credited to the revenue credit account and used to pay administrative fees of the Plan. Fees paid by Equistar on behalf of the Plan for certain administrative costs were approximately \$20,316 in 2016.

8. Subsequent Events

Effective January 1, 2017, the Plan was amended with the following changes: the Plan will offer Roth deferrals as an additional payroll deduction option as well as in-Plan Roth conversions; and former employees are no longer required to receive distributions at age 65. This amendment does not have an impact on our Plan's financial statements.

The Company has evaluated subsequent events through June 30, 2017, the date the financial statements were available to be issued.