Form S-8 December 22, 2016				
As filed with the Securities and Exchange	e Commission on December 22, 2016			
Registration No				
UNITED STATES SECURITIES AND EXCHANGE COM	MISSION			
WASHINGTON, D.C. 20549				
,				
FORM S-8				
REGISTRATION STATEMENT UNDER				
THE SECURITIES ACT OF 1933				
TETD A TECHNIQUACIES INC				
TETRA TECHNOLOGIES, INC.				
(Exact name of Registrant as specified in its charter)				
Delaware	74-2148293			
(State or other jurisdiction of incorporation or organization)	(I.R.S. Employer Identification No.)			
-	identification ivo.)			
24955 Interstate 45 North The Woodlands, Texas	77380			
(Address of Principal Executive Offices)				

TETRA TECHNOLOGIES, INC.

TETRA TECHNOLOGIES INC

THIRD AMENDED AND RESTATED

2011 LONG TERM INCENTIVE COMPENSATION PLAN

	(Full Title of the Plan)						
	Bass C. Wallace, Jr.						
	General Counsel						
	24955 Interstate 45 North						
	The Woodlands, Texas 77380						
	(Name and address of agent for service)						
	(281) 367-1983						
	(Telephone number, including area code,						
of agent for service)							
Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer," and "smaller reporting company" in Rule 12b-2 of the Exchange Act. (Check One):							
	Large Accelerated Filer [ ] Non-Accelerated Filer [ ] (Do not check if	a smaller reporti		elerated Filer [ X ] ller Reporting Compa	any[]		
	CALCULATION OF REGISTRATION FEE						
	Title of securities	Amount to be	Proposed maximum	n Proposed maximum	Amount of		
	to be registered	registered <sup>(1)</sup>	offering price	aggregate offering	registration fee		
	Common Stock, par value \$0.01 per share	5,064,926 shares	per share <sup>(2)</sup> s \$4.85	price <sup>(2)</sup> \$24,564,891	\$2,847.07		

- (1) Pursuant to Rule 416(a) under the Securities Act of 1933, as amended, the number of shares of common stock registered herein includes an indeterminate number of additional shares that may be issued with respect to the securities registered hereunder by reason of stock dividends, spin-offs, extraordinary dividends, stock splits, combinations of shares, recapitalizations, mergers, consolidations, reorganizations or similar transactions.
- Estimated solely for the purpose of determining the amount of the registration fee in accordance with Rule 457(c) and (h) under the Securities Act of 1933, as amended and based upon the average of the high and low sales prices of the Registrant's common stock on the New York Stock Exchange on December 20, 2016.

#### **EXPLANATORY NOTE**

This Registration Statement on Form S 8 is filed by TETRA Technologies, Inc., a Delaware corporation (the "Company") relating to 5,064,926 shares of its common stock, par value \$0.01 per share (the "Common Stock"), issuable under the TETRA Technologies, Inc. Third Amended and Restated 2011 Long Term Incentive Compensation Plan (the "Plan"), which Common Stock is in addition to the 3,400,000 shares of Common Stock registered on the Company's Registration Statement on Form S 8 filed on May 9, 2013 (Commission File No. 333-188494) and the 2,200,000 shares of Common Stock registered on the Company's Registration Statement on Form S 8 filed on May 10, 2011 (Commission File No. 333-174090) (together, the "Prior Registration Statements").

This Registration Statement relates to securities of the same class as those to which the Prior Registration Statements relate, and is submitted in accordance with General Instruction E to Form S 8 regarding the Registration of Additional Securities. Pursuant to Instruction E of Form S 8, the contents of the Prior Registration Statements are incorporated herein by reference and made part of this Registration Statement, except as supplemented by the information set forth below.

**PART II** 

INFORMATION REQUIRED IN THE REGISTRATION STATEMENT

#### Item 3. INCORPORATION OF DOCUMENTS BY REFERENCE

The following documents, which have been previously filed by the Company with the Securities and Exchange Commission (the "SEC"), are incorporated by reference into this Registration Statement, other than any portions of the respective filings that were furnished rather than filed (pursuant to Item 2.02 or Item 7.01 of any Current Report on Form 8-K or other applicable SEC rules):

- (a) The Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2015 as filed with the SEC on March 4, 2016 (File No. 001-13455);
- (b)The Company's Quarterly Report on Form 10-Q for the quarter ended March 31, 2016 as filed with the SEC on May 10, 2016 (File No. 001-13455), the Company's Quarterly Report on Form 10-Q for the quarter ended June 30, 2016 as filed with the SEC on August 9, 2016 (File No. 001-13455) and the Company's Quarterly Report on Form 10-Q for the quarter ended September 30, 2016 as filed with the SEC on November 9, 2016 (File No. 001-13455);
- (c) The Company's Current Reports on Form 8-K as filed by the Company with the SEC on February 26, 2016, April 26, 2016, May 6, 2016, May 9, 2016, May 25, 2016, June 3, 2016, June 16, 2016, June 21, 2016, July 5, 2016, August

9, 2016, August 10, 2016, October 3, 2016 and December 14, 2016 (File No. 001-13455);

(d)The description of the Company's common stock, par value \$0.01 per share, contained in the Registration Statement on Form 8-A filed with the SEC on October 7, 1997 (File No. 001-13455), including any amendments and reports filed for the purpose of updating such description.

All documents filed by the Company pursuant to Sections 13(a), 13(c), 14 and 15(d) of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), (excluding any information furnished pursuant to Item 2.02 or Item 7.01 on any Current Report on Form 8-K or other applicable SEC rules) subsequent to the date of this Registration Statement and prior to the filing of a post-effective amendment which indicates that all securities offered hereby have been sold or which deregisters all securities remaining unsold, shall be deemed to be incorporated by reference herein and to be a part hereof from the date of the filing of such documents.

Any statement contained in a document incorporated or deemed incorporated by reference in this Registration Statement shall be deemed to be modified or superseded for purposes of this Registration Statement to the extent that a statement contained in this Registration Statement or in any other subsequently filed document which also is incorporated or deemed to be incorporated by reference in this Registration Statement modifies or supersedes such statement. Any such statement so modified or

superseded shall not be deemed, except as modified or superseded, to constitute a part of this Registration Statement.

### Item 8. EXHIBITS

The following exhibits have been filed as a part of this Registration Statement and are specifically incorporated by reference:

# Exhibit No. Description \*4.1 Restated Certificate of

Incorporation of TETRA Technologies,

Inc.

+4.2 Warrant

Agreement,

dated

December 14, 2016, between

**TETRA** 

Technologies,

Inc. and

Computershare

Trust

Company, N.A. (incorporated by reference to Exhibit 4.1 to the Company's Current Report on Form 8-K filed on

December 14, 2016 (SEC File

No.

001-13455)).

+4.3 Form of

Warrant Certificate (incorporated by reference to Exhibit 4.2 to the Company's

the Company's

Current Report on Form 8-K

filed on

December 14,

2016 (SEC File

No.

001-13455)).

+4.4 Amended and

Restated

Bylaws of

**TETRA** 

Technologies,

Inc.

(incorporated

by reference to

Exhibit 4.6 to

the Company's

Registration

Statement on

Form S-8 filed

on May 4, 2006

(SEC File No.

333-133790)).

+4.5 Specimen

Common Stock

Certificate of

the Company

(incorporated

by reference to

Exhibit 4.1 to

the Company's

Registration

Statement on

Form S-1 filed

on February 23,

1990 (SEC File

No.

33-33586)).

+4.6 TETRA

Technologies,

Inc. Third

Amended and

Restated 2011

Long Term

Incentive

Compensation

Plan

(incorporated

by reference to

Exhibit 10.1 to

the Company's

Current Report

on Form 8-K

filed on May 6, 2016 (SEC File

No.

001-13455)).

\*4.7 Form of

Employee

**Incentive Stock** 

Option

Agreement

under the

**TETRA** 

Technologies,

Inc. Third

Amended and

Restated 2011

Long Term

Incentive

Compensation

Plan.

\*4.8 Form of

Employee

Nonqualified

**Stock Option** 

Agreement

under the

**TETRA** 

Technologies,

Inc. Third

Amended and

Restated 2011

Long Term

Incentive

Compensation

Plan.

\*4.9 Form of

Employee

Restricted

Stock

Agreement

under the

**TETRA** 

Technologies,

Inc. Third

Amended and

Restated 2011

Long Term

Incentive

Compensation

Plan.

\*4.10 Form of

Non-Employee

Director

Restricted

Stock

Agreement

under the

**TETRA** 

Technologies,

Inc. Third

Amended and

Restated 2011

Long Term

Incentive

Compensation

Plan.

\*4.11 Form of

Non-Employee

Consultant

Nonqualified

**Stock Option** 

Agreement

under the

**TETRA** 

Technologies,

Inc. Third

Amended and

Restated 2011

Long Term

Incentive

Compensation

Plan.

\*4.12 Form of

Non-Employee

Consultant

Restricted

Stock

Agreement

under the

**TETRA** 

Technologies,

Inc. Third

Amended and

Restated 2011

Long Term

Incentive

Compensation

Plan.

\*5.1 Opinion of

Andrews Kurth

Kenyon LLP.

\*23.1 Consent of

Andrews Kurth

Kenyon LLP
(included in
Exhibit 5.1).

\*23.2 Consent of
Ernst & Young
LLP.

\*24.1 Powers of
Attorney
(included on
signature page).

+Incorporated by reference.

<sup>\*</sup> Filed herewith.

### **SIGNATURES**

The Registrant. Pursuant to the requirements of the Securities Act of 1933, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this registration statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of The Woodlands, State of Texas, on this 22<sup>nd</sup> day of December, 2016.

### TETRA TECHNOLOGIES, INC.

By: /s/ Stuart M. Brightman Name: Stuart M. Brightman

Title: President & Chief Executive Officer

#### POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, that each of the undersigned officers and directors of the registrant hereby constitutes and appoints Stuart M. Brightman and Bass C. Wallace, Jr., and each of them severally, his lawful attorney-in-fact and agent, with full power of substitution and resubstitution, for him and on his behalf and in his name, place and stead, in any and all capacities, to sign, execute and file this registration statement under the Securities Act of 1933, as amended, and any and all amendments (including, without limitation, post-effective amendments), with all exhibits and any and all documents required to be filed with respect thereto, with the Securities and Exchange Commission or any regulatory authority, granting unto such attorneys-in-fact and agents full power and authority to do and perform each and every act and thing requisite and necessary to be done in and about the premises in order to effectuate the same, as fully to all intents and purposes as he himself might or could do, if personally present, hereby ratifying and confirming all that said attorneys-in-fact and agents or his substitute or substitutes, may lawfully do or cause to be done.

Pursuant to the requirements of the Securities Act of 1933, this registration statement has been signed by the following persons in the capacities and on the dates stated.

Name and Signature	Title	Date
/s/ Stuart M. Brightman Stuart M. Brightman	President, Chief Executive Officer and Director (Principal Executive Officer)	December 22, 2016
/s/ Elijio V. Serrano Elijio V. Serrano	Senior Vice President and Chief Financial Officer (Principal Financial Officer)	December 22, 2016
/s/ Ben C. Chambers Ben C. Chambers	Vice President – Accounting (Principal Accounting Officer)	December 22, 2016
/s/ William D. Sullivan William D. Sullivan	Chairman of the Board of Directors and Director	December 22, 2016
/s/ Mark E. Baldwin Mark E. Baldwin	Director	December 22, 2016
/s/ Thomas R. Bates, Jr. Thomas R. Bates, Jr.	Director	December 22, 2016
/s/ Paul D. Coombs Paul D. Coombs	Director	December 22, 2016
/s/ John F. Glick John F. Glick	Director	December 22, 2016
/s/ Stephen A. Snider Stephen A. Snider	Director	December 22, 2016

/s/ Kenneth E. White, Jr. Director December 22, 2016

Kenneth E. White, Jr.

/s/ Joseph C. Winkler, III Director December 22, 2016

Joseph C. Winkler, III

#### **EXHIBIT INDEX**

# Exhibit Description

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- +4.3 Form of Warrant Certificate (incorporated by reference to Exhibit 4.2 to the Company's Current Report on Form 8-K filed on December 14, 2016 (SEC File No. 001-13455)).
- +4.4 Amended and Restated Bylaws of TETRA Technologies, Inc. (incorporated by reference to Exhibit 4.6 to the Company's Registration Statement on Form S-8 filed on May 4, 2006 (SEC File No. 333-133790)).
- +4.5 Specimen Common Stock Certificate of the Company (incorporated by reference to Exhibit 4.1 to the Company's Registration Statement on Form S-1 filed on February 23, 1990 (SEC File No. 33-33586)).
- +4.6 TETRA Technologies, Inc. Third Amended and Restated 2011 Long Term Incentive Compensation Plan (incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K filed on May 6, 2016 (SEC File No. 001-13455)).
- \*4.7 Form of Employee Incentive Stock Option Agreement under the TETRA Technologies, Inc. Third Amended and Restated 2011 Long Term Incentive Compensation Plan.
- \*4.8 Form of Employee Nonqualified Stock Option Agreement under the TETRA Technologies, Inc. Third Amended and Restated 2011 Long Term Incentive Compensation Plan.
- \*4.9 Form of Employee Restricted Stock Agreement under the TETRA Technologies, Inc. Third Amended and Restated 2011 Long Term Incentive Compensation Plan.
- \*4.10 Form of Non-Employee Director Restricted Stock Agreement under the TETRA Technologies, Inc. Third Amended and Restated 2011 Long Term Incentive Compensation Plan.
- \*4.11 Form of Non-Employee Consultant Nonqualified Stock Option Agreement under the TETRA Technologies, Inc. Third Amended and Restated 2011 Long Term Incentive Compensation Plan.
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- \*5.1 Opinion of Andrews Kurth Kenyon LLP.
- \*23.1 Consent of Andrews Kurth Kenyon LLP (included in Exhibit 5.1).
- \*23.2 Consent of Ernst & Young LLP.
- \*24.1 Powers of Attorney (included on signature page).

+Incorporated by reference.

\* Filed herewith.