UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, DC 20549

FORM 10-Q

QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the quarterly period ended June 30, 2017

Commission file number **000-33067**

MIDWEST ENERGY EMISSIONS CORP.

(Exact name of Registrant as Specified in its Charter)

Delaware	**87-0398271**
(State or other jurisdiction of incorporation or organization)	(I.R.S. Employer Identification No.)
670 D Enterprise Drive Lewis Center, Ohio	**43035**
(Address of principal Executive offices)	(Zip Code)

(614) 505-6115
(Registrant's Telephone Number, Including Area Code)

____
(Former Name, Former Address and Former Fiscal Year, if Changed Since Last Report)

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes ☒ No ☐

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes ☒ No ☐

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 definition of "large accelerated filer", "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer	☐	Accelerated filer	☐
Non-accelerated filer	☐	Smaller reporting company	☒
Emerging growth company	☐		

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. ☐

Indicate by check mark whether the registrant is a shell company (as defined by Rule 12b-2 of the Exchange Act). Yes ☐ No ☒

State the number of shares outstanding of each of the Issuer's classes of common stock, as of the latest practicable date: Common, $.001 par value per share; 76,246,113 outstanding as of August 21, 2017.

MIDWEST ENERGY EMISSIONS CORP.

TABLE OF CONTENTS

PART I – FINANCIAL INFOMATION

Forward-Looking Statements

This Quarterly Report on Form 10-Q contains "forward-looking statements," as defined in Section 21E of the Securities Exchange Act of 1934, as amended, that are made pursuant to the safe harbor provisions of the Private Securities Litigation Reform Act of 1995 and reflect our current expectations regarding our future growth, results of operations, cash flows, performance and business prospects, and opportunities, as well as assumptions made by, and information currently available to, our management. Forward-looking statements are generally identified by using words such as "anticipate," "believe," "plan," "expect," "intend," "will," and similar expressions, but these words are not the exclusive means of identifying forward-looking statements. Forward-looking statements in this report are subject to risks and uncertainties that could cause actual events or results to differ materially from those expressed in or implied by the statements. These statements are based on information currently available to us and are subject to various risks, uncertainties, and other factors, including, but not limited to, those discussed under the caption "Risk Factors" in the Company's 2016 Form 10-K. In addition, matters that may cause actual results to differ materially from those in the forward-looking statements include, among other factors, the gain or loss of a major customer, change in environmental regulations, disruption in supply of materials, capacity factor fluctuations of power plant operations and power demands, a significant change in general economic conditions in any of the regions where our customer utilities might experience significant changes in electric demand, a significant disruption in the supply of coal to our customer units, the loss of key management personnel, availability of capital and any major litigation regarding the Company. Except as expressly required by the federal securities laws, we undertake no obligation to update such factors or to publicly announce the results of any of the forward-looking statements contained herein to reflect future events, developments, or changed circumstances or for any other reason.

ITEM 1 – FINANCIAL INFORMATION

MIDWEST ENERGY EMISSIONS CORP. AND SUBSIDIARIES
Index to Condensed Consolidated Financial Information
As of the and for the six months ended June 30, 2017

MIDWEST ENERGY EMISSIONS CORP AND SUBSIDIARIES
CONDENSED CONSOLIDATED BALANCE SHEETS
JUNE 30, 2017 AND DECEMBER 31, 2016
(UNAUDITED)

	June 30, 2017 (Unaudited)	December 31, 2016
ASSETS		
Current assets		
Cash and cash equivalents	$ 1,690,701	$ 7,751,557
Accounts receivable	4,208,414	3,553,096
Inventory	909,057	609,072
Prepaid expenses and other assets	196,158	199,495
Total current assets	7,004,330	12,113,220
Property and equipment, net	2,890,270	2,569,354
Deferred tax asset	500,000	500,000
Patents, net	3,034,472	-
Patent rights, net	-	52,945
Customer acquisition costs, net	421,389	642,203
Total assets	$ 13,850,461	$ 15,877,722
LIABILITIES AND STOCKHOLDERS' DEFICIT		
Current liabilities		
Accounts payable and accrued expenses	$ 2,174,868	$ 4,363,553
Current portion of notes payable	2,250,000	1,500,000
Current portion of equipment notes payable	59,132	39,499
Customer credits	551,750	590,206
Total current liabilities	5,035,750	6,493,258
Notes payable, net of discount and issuance costs	10,739,222	11,678,669
Convertible notes payable, net of discount and issuance costs	1,253,300	1,142,154
Warrant liability	219,000	1,313,000
Accrued interest	77,500	78,750
Equipment notes payable	198,268	143,135
Total liabilities	17,523,040	20,848,966
Stockholders' deficit		
Preferred stock, $.001 par value: 2,000,000 shares authorized	-	-
Common stock; $.001 par value; 150,000,000 shares authorized; 75,246,113 shares issued and outstanding as of June 30, 2017 73,509,663 shares issued and outstanding as of December 31, 2016	75,246	73,510
Additional paid-in capital	51,909,207	49,838,469
Accumulated deficit	(55,657,032)	(54,883,223)
Total stockholders' deficit	(3,672,579)	(4,971,244)
Total liabilities and stockholders' deficit	$ 13,850,461	$ 15,877,722

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

MIDWEST ENERGY EMISSIONS CORP AND SUBSIDIARIES
CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS
FOR THE THREE AND SIX MONTHS ENDED JUNE 30, 2017 AND 2016
(UNAUDITED)

	For the Three Months Ended June 30, 2017	For the Three Months Ended June 30, 2016	For the Six Months Ended June 30, 2017	For the Six Months Ended June 30, 2016
Revenues				
Product sales	7,112,722	6,872,168	12,396,956	9,709,797
Equipment sales	776,946	2,391,485	784,106	2,555,885
Demonstrations and consulting services	41,500	128,556	177,500	499,838
Total revenues:	7,931,168	9,392,209	13,358,562	12,765,520
Costs and expenses:				
Cost of sales	4,995,776	7,304,197	8,781,697	9,791,816
Selling, general and administrative expenses	2,313,357	1,671,210	5,007,641	2,842,196
Total costs and expenses	7,309,133	8,975,407	13,789,338	12,634,012
Operating income (loss)	622,035	416,802	(430,776)	131,508
Other (expense) income				
Interest expense	(544,918)	(1,032,949)	(1,085,393)	(3,106,093)
Letter of credit fees	(60,667)	(60,666)	(120,667)	(103,333)
Change in value of warrant liability	655,023	(7,566,000)	863,023	(4,256,600)
Total other (expense) income	49,438	(8,659,615)	(343,037)	(7,466,026)
Net income (loss)	$ 671,473	$ (8,242,813)	$ (773,813)	$ (7,334,518)
Net income (loss) per common share - basic and diluted:	$ 0.01	$ (0.17)	$ (0.01)	$ (0.15)
Weighted average common shares outstanding	74,493,909	47,358,618	74,051,228	47,358,618

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

MIDWEST ENERGY EMISSIONS CORP AND SUBSIDIARIES
CONDENSED CONSOLIDATED STATEMENT OF STOCKHOLDERS' DEFICIT
FOR THE SIX MONTHS ENDED JUNE 30, 2017
(UNAUDITED)

	Common Stock		Additional		Total
	Shares	Par Value	Paid-in Capital	Accumulated (Deficit)	Stockholders' Deficit
Balance - December 31, 2016	73,509,663	$ 73,510	$49,838,469	$ (54,883,223)	(4,971,244)
Stock and warrants issued upon debt conversion	51,236	51	25,567	-	25,618
Stock issued upon cashless warrant exercise	630,214	630	230,347	-	230,977
Stock issued per settlement agreement	130,000	130	60,970	-	61,100
Stock issued for the acquisition of patents rights	925,000	925	517,075	-	518,000
Issuance of stock options	-	-	1,236,783	-	1,236,783
Net loss for the period	-	-	-	(773,813)	(773,813)
Balance - June 30, 2017	75,246,113	$ 75,246	$51,909,211	$ (55,657,036)	$ (3,672,579)

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

MIDWEST ENERGY EMISSIONS CORP AND SUBSIDIARIES
CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS
FOR THE SIX MONTHS ENDED JUNE 30, 2017 AND 2016
(UNAUDITED)

	For the Six Months Ended June 30, 2017	For the Six Months Ended June 30, 2016
Cash flows from operating activities		
Net loss	$ (773,813)	$(7,334,518)
Adjustments to reconcile net loss to net cash provided by (used in) operating activities:		
Stock based compensation	1,236,783	582,577
Amortization of license fees	2,940	2,942
Amortization of discount of notes payable	369,714	851,735
Amortization of debt issuance costs	76,984	334,392
Amortization of customer acquisition costs	220,816	201,758
Amortization of EERCF Patents	33,534	-
Depreciation expense	366,817	187,895
(Gain) loss on change in value of warrant liability	(863,023)	5,352,600
Settlement Expense	61,100	-
PIK Interest	-	467,892
Change in assets and liabilities		
(Increase) in accounts receivable	(655,318)	(3,077,407)
(Increase) decrease in inventory	(299,985)	1,838,146
Decrease (increase) in prepaid expenses and other assets	3,337	(1,977)
(Decrease) increase in accounts payable and accrued liabilities	(2,227,879)	3,292,440
Decrease in deferred revenue	-	(2,241,928)
Net cash (used in) provided by operating activities	(2,447,993)	456,547
Cash flows used in investing activities		
Purchase of property and equipment	(586,429)	(907,898)
Purchase of intellectual property	(2,500,000)	-
Net cash used in investing activities	(3,086,429)	(907,898)
Cash flows from financing activities		
Payment of promissory notes	(500,000)	-
Payment of equipment notes payable	(26,434)	(12,865)
Net cash used in financing activities	(526,434)	(12,865)
Net decrease in cash and cash equivalents	(6,060,856)	(464,216)
Cash and cash equivalents - beginning of period	7,751,557	1,083,280
Cash and cash equivalents - end of period	$ 1,690,701	$ 619,064
SUPPLEMENTAL CASH FLOW INFORMATION:		
Cash paid during the period for:		
Interest	$ 681,687	$ 98,007
SUPPLEMENTAL DISCLOSURE OF NON-CASH TRANSACTIONS		
Equipment purchases included in accounts payable	$ 101,304	$ -
Stock issued for interest on convertible notes payable	$ 25,618	$ 103,635
Stock issued for the acquisition of patents rights	$ 518,000	$ -
Stock issued for settlement	$ 61,100	$ -
Conversion of accounts receivable to customer aquistion costs	$ -	$ 188,225
Equipment purchases included in notes payable	$ -	$ 103,428

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

Midwest Energy Emissions Corp. and Subsidiaries
Notes to Condensed Consolidated Financial Statements

Note 1 - Organization

Midwest Energy Emissions Corp.

Midwest Energy Emissions Corp. (the "Company") is organized under the laws of the State of Delaware with 150,000,000 authorized shares of common stock, par value $.001 per share and 2,000,000 authorized shares of preferred stock, par value $0.001 per share.

MES, Inc.

MES, Inc. is incorporated in the State of North Dakota. MES, Inc. is a wholly owned subsidiary of Midwest Energy Emissions Corp. and is engaged in the business of developing and commercializing state of the art control technologies relating to the capture and control of mercury emissions from coal fired boilers in the United States and Canada.

Note 2 - Summary of Significant Accounting Policies

Basis of Presentation

The accompanying unaudited condensed consolidated financial statements have been prepared in accordance with accounting principles generally accepted in the United States of America ("GAAP") and pursuant to the rules and regulations of the United States Securities and Exchange Commission ("SEC") for interim financial information. Accordingly, these financial statements do not include all of the information and footnotes required for complete financial statements and should be read in conjunction with the audited consolidated financial statements and accompanying notes included in the Company's Annual Report on Form 10-K for the year ended December 31, 2016.

In management's opinion, the unaudited condensed consolidated financial statements reflect all adjustments necessary to present fairly the financial position as of June 30, 2017, and results of operations, changes in stockholders' deficit and cash flows for all periods presented. The interim results presented are not necessarily indicative of results that can be expected for a full year.

Use of Estimates

The preparation of consolidated financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosures of contingent assets and liabilities at the date of the consolidated financial statements and the reported amounts of revenue and expenses during the reporting period. Actual results could differ from those estimates.

Cash and Cash Equivalents

The Company considers all highly liquid debt instruments and other short-term investments with maturity of three months or less, when purchased, to be cash equivalents. The Company maintains its cash in three accounts with one financial institution, which at times may exceed federally insured limits.

Accounts Receivable

Trade accounts receivable are stated at the amount the Company expects to collect. The Company maintains allowances for doubtful accounts for estimated losses resulting from the inability of its customers to make required payments. Management considers the following factors when determining the collectability of specific customer accounts: customer credit-worthiness, past transaction history with the customer, current economic industry trends, and changes in customer payment terms. Past due balances over 90 days and other higher risk amounts are reviewed individually for collectability. If the financial condition of the Company's customers were to deteriorate, adversely affecting their ability to make payments, additional allowances would be required. Based on management's assessment, the Company provides for estimated uncollectible amounts through a charge to earnings and a credit to a valuation allowance. Balances that remain outstanding after the Company has used reasonable collection efforts are written off through a charge to the valuation allowance and a credit to accounts receivable. At June 30, 2017 and December 31, 2016, the allowance for doubtful accounts was zero.

Inventory

Inventories are stated at the lower of cost (first-in, first-out basis) or market (net realizable value).

Property and Equipment

Property and equipment are stated at cost. When retired or otherwise disposed, the related carrying value and accumulated depreciation are removed from the respective accounts and the net difference less any amount realized from disposition, is reflected in earnings. For consolidated financial statement purposes, property and equipment are recorded at cost and depreciated using the straight-line method over their estimated useful lives of 2 to 5 years.

Expenditures for repairs and maintenance which do not materially extend the useful lives of property and equipment are charged to operations. Management periodically reviews the carrying value of its property and equipment for impairment.

Recoverability of Long-Lived and Intangible Assets

The Company has adopted ASC 360-10, *Property, Plant and Equipment* ("ASC 360-10"). ASC 360-10 requires that long-lived assets and certain identifiable intangibles held and used by the Company be reviewed for impairment whenever events or changes in circumstances indicate that the carrying amount of an asset may not be recoverable.

Events relating to recoverability may include significant unfavorable changes in business conditions, recurring losses or a forecasted inability to achieve break-even operating results over an extended period. The Company evaluates the recoverability of long-lived assets based upon forecasted undiscounted cash flows. Should impairment in value be indicated, the carrying value of the long-lived and or intangible assets would be adjusted, based on estimates of future discounted cash flows. During the quarter ended June 30, 2017, as a result of recurring losses and an accumulated deficit, the Company identified a triggering event requiring a test for the recoverability of long-lived assets and intangible assets. Assessing the recoverability of long-lived assets and intangible assets requires significant judgments and estimates by management. Management concluded that the fair value of long-lived assets and intangible assets exceeded their carrying value and as such, no impairment charges were recognized for the quarters ended June 30, 2017 and 2016, respectively.

Stock-Based Compensation

The Company accounts for stock-based compensation awards in accordance with the provisions of ASC 718, *Compensation—Stock Compensation* ("ASC 718"), which requires equity-based compensation, be reflected in the consolidated financial statements over the period of service which is typically the vesting period based on the estimated fair value of the awards.

Derivative Liabilities

The Company does not use derivative instruments to hedge exposures to cash flow, market or foreign currency risks; however, the Company has certain financial instruments that are embedded derivatives associated with capital raises and common stock purchase warrants. The Company evaluates all its financial instruments to determine if those contracts or any potential embedded components of those contracts qualify as derivatives to be separately accounted for in accordance with FASB ASC 815-10. This accounting treatment requires that the carrying amount of any embedded derivatives be recorded at fair value at issuance and marked-to-market at each balance sheet date. In the event that the fair value is recorded as a liability, as is the case with the Company, the change in the fair value during the period is recorded as either income or expense. Upon conversion or exercise, the derivative liability is marked to fair value at the conversion date and then the related fair value is reclassified to equity.

Fair Value of Financial Instruments

The fair value hierarchy has three levels based on the inputs used to determine fair value, which are as follows:

- *Level 1* — Unadjusted quoted prices available in active markets for the identical assets or liabilities at the measurement date.

- *Level 2* — Unadjusted quoted prices in active markets for similar assets or liabilities, or unadjusted quoted prices for identical or similar assets or liabilities in markets that are not active, or inputs other than quoted prices that are observable for the asset or liability.

- *Level 3* — Unobservable inputs that cannot be corroborated by observable market data and reflect the use of significant management judgment. These values are generally determined using pricing models for which the assumptions utilize management's estimates of market participant assumptions.

The fair value hierarchy requires the use of observable market data when available. In instances where the inputs used to measure fair value fall into different levels of the fair value hierarchy, the fair value measurement has been determined based on the lowest level input significant to the fair value measurement in its entirety. The Company's assessment of the significance of a particular item to the fair value measurement in its entirety requires judgment, including the consideration of inputs specific to the asset or liability.

Cash and cash equivalents were the only asset measured at fair value on a recurring basis by the Company at June 30, 2017 and December 31, 2016 and is considered to be Level 1. Warrant liability is considered to be Level 3, and is the only liability measured at fair value on a recurring basis as of June 30, 2017 and December 31, 2016.

Financial instruments include cash and cash equivalents, accounts receivable, accounts payable, accrued expenses, deferred revenue, customer credits and short-term debt. The carrying amounts of these financial instruments approximated fair value at June 30, 2017 and December 31, 2016 due to their short-term maturities. The fair value of the convertible promissory notes payable at June 30, 2017 and December 31, 2016 approximated the carrying amount as the notes were issued during the three years ended December 31, 2016 at interest rates prevailing in the market and interest rates have not significantly changed as of June 30, 2017. The fair value of the convertible promissory notes payable was determined on a Level 2 measurement.

The Company has entered into certain financial instruments and contracts; such as, equity financing arrangements for the issuance of common stock, which include anti-dilution arrangements and detachable stock warrants that are i) not afforded equity classification, ii) embody risks not clearly and closely related to host contracts, or iii) may be net-cash settled by the counterparty. These instruments are recorded as derivative liabilities, at fair value at the issuance date. Subsequent changes in fair value are recorded through the consolidated statements of operations.

The Company's derivative liabilities are related to detachable common stock purchase warrants ("warrants") issued in conjunction with debt and warrants issued to the placement agents for financial instrument issuances. We estimate fair values of the warrants that do contain "Down Round Protections" utilizing valuation models and techniques that have been developed and are widely accepted that take into account the additional value inherent in "Down Round Protection." These widely accepted techniques include "Modified Binomial", "Monte Carlo Simulation" and the "Lattice Model." The "core" assumptions and inputs to the "Modified Binomial" model are the same as for "Black-Scholes", such as trading volatility, remaining term to maturity, market price, strike price, and risk free rates; all Level 2 inputs. 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. However, a key input to a "Modified Binomial" model (in our case, the "Monte Carlo Simulation", for which we engaged an independent valuation firm to perform) is the probability of a future capital raise. By definition, this input assumption does not meet the requirements for Level 1 or Level 2 outlined above; therefore, the entire fair value calculation is deemed to be Level 3 under accounting requirements due to this single Level 3 assumption. This input to the Monte Carlo Simulation model was developed with significant input from management based on its knowledge of the business, current financial position and the strategic business plan with its best efforts.

As discussed above, financial liabilities are considered Level 3 when their fair values are determined using pricing models or similar techniques and at least one significant model assumption or input is unobservable. For the Company, the Level 3 financial liability is the derivative liability related to the warrants that include "Down Round Protection" and they were valued using the "Monte Carlo Simulation" technique. This technique, while the majority of inputs are Level 2, necessarily incorporates various assumptions associated with a Capital Raise which are unobservable and, therefore, a Level 3 input.

The table below provides a summary of the changes in fair value of the warrant liability measured at fair value on a recurring basis:

Balance at January 1, 2017	$ 1,313,000
Exercise of warrants	(230,977)
Change in value of warrant liability	(863,023)
Balance at June 30, 2017	$ 219,000

Revenue Recognition

The Company records revenue from sales in accordance with ASC 605, Revenue Recognition ("ASC 605"). The criteria for recognition are as follows:

1. Persuasive evidence of an arrangement exists;

2. Delivery has occurred or services have been rendered;

3. The seller's price to the buyer is fixed or determinable; and

4. Collectability is reasonably assured.

Determination of criteria (3) and (4) is based on management's judgments regarding the fixed nature of the selling prices of the products delivered and the collectability of those amounts. Provisions for discounts and rebates to customers, estimated returns and allowances, and other adjustments is provided for in the same period the related sales are recorded.

The Company recorded no additions to customer acquisition costs through June 30, 2017 and the year ended December 31, 2016. The capitalized balance of customer acquisition costs, net of accumulated amortization was $421,389 and $642,203 on June 30, 2017 and December 31, 2016, respectively. Amortization expense for the six months ended June 30, 2017 and June 30 2016 was $220,816 and 201,758, respectively. Amortization expense for the quarters ended June 30, 2017 and 2016 was $99,970 and $120,845, respectively.

The Company recognizes revenue for product when it is delivered to the customer location.

The Company generated revenues of $13,358,562 and $12,765,520 for the six months ended June 30, 2017 and 2016, respectively and $7,931,168 and $9,392,209 for the quarters ended June 30, 2017 and 2016, respectively. The Company generated revenue for the six months ended June 30, 2017 and 2016 by delivering product and equipment to its commercial customers and completing demonstrations of its technologies at potential customer sites.

Income Taxes

Deferred tax assets and liabilities are recognized for the future tax consequences attributable to differences between the consolidated financial statement carrying amounts of existing assets and liabilities and their respective tax bases. Deferred tax assets, including tax loss and credit carryforwards, and liabilities are measured using enacted tax rates expected to apply to taxable income in the years in which those temporary differences are expected to be recovered or settled. The effect on deferred tax assets and liabilities of a change in tax rates is recognized in income in the period that includes the enactment date. Deferred income tax expense represents the change during the period in the deferred tax assets and deferred tax liabilities. The components of the deferred tax assets and liabilities are individually classified as current and non-current based on their characteristics. Deferred tax assets are reduced by a valuation allowance when, in the opinion of management, it is more likely than not that some portion or all of the deferred tax assets will not be realized.

The recognition, measurement and disclosure of uncertain tax positions recognized in an enterprise's consolidated financial statements are based on a more-likely-than-not recognition threshold. The Company did not have any unrecognized tax benefits at June 30, 2017 and December 31, 2016. When necessary, the Company would accrue penalties and interest related to unrecognized tax benefits as a component of income tax expense.

The Company and its subsidiaries file a consolidated income tax return in the U.S. federal jurisdiction and three state jurisdictions. The Company is no longer subject to U.S. federal examinations for years prior to 2013 or state tax examinations for years prior to 2012.

Basic and Diluted Income (Loss) per Common Share

Basic net income (loss) per common share is computed using the weighted average number of common shares outstanding. Diluted income (loss) per share reflects the potential dilution from common stock equivalents, such as stock issuable pursuant to the exercise of stock options and warrants. There were no dilutive potential common shares as of June 30, 2017 and 2016, because the Company incurred net losses and basic and diluted losses per common share are the same. For the three months ended June 30, 2017, basic and diluted earnings per share approximated each other. Dilutive potential common shares as of June 30, 2017 and 2016 were approximately 7.7 million shares and 57.6 million shares, respectively. Anti-dilutive potential common shares as of June 30, 2017 and 2016 were approximately 11.9 million shares and 3.5 million shares, respectively.

Concentration of Credit Risk

Financial instruments that subject the Company to credit risk consist of cash and equivalents on deposit with financial institutions and accounts receivable. The Company's cash as of June 30, 2017 and December 31, 2016 is on deposit in a non-interest-bearing transaction account that is subject to FDIC deposit insurance limits. For the quarters ended June 30, 2017 and 2016, 100% of the Company's revenue related to seven customers. For the six months ended June 30, 2017 and 2016, 100% of the Company's revenue related to eight customers. At June 30, 2017 and December 31, 2016, 100% of the Company's accounts receivable related to seven and six customers, respectively.

Contingencies

Certain conditions may exist which may result in a loss to the Company, but which will only be resolved when one or more future events occur or fail to occur. The Company's management and its legal counsel assess such contingent liabilities, and such assessment inherently involves an exercise of judgment. In assessing loss contingencies related to legal proceedings that are pending against the Company, or unasserted claims that may result in such proceedings, the Company's legal counsel evaluates the perceived merits of any legal proceedings or unasserted claims as well as the perceived merits of the amount of relief sought or expected to be sought therein.

If the assessment of a contingency indicates that it is probable that a material loss has been incurred and the amount of the liability can be estimated, the estimated liability would be accrued in the Company's consolidated financial statements. If the assessment indicates that a potentially material loss contingency is not probable but is reasonably possible, or is probable but cannot be estimated, the nature of the contingent liability, together with an estimate of the range of possible loss if determinable and material, would be disclosed.

Loss contingencies considered remote are generally not disclosed unless they arise from guarantees, in which case the guarantees would be disclosed.

Recently Issued Accounting Standards

In May, 2014, the FASB issued Accounting Standards Update 2014-09, Revenue from Contracts with Customers (Topic 606) Summary - The FASB has made available Accounting Standards Update (ASU) No. 2014-09, Revenue from Contracts with Customers: Topic 606. ASU 2014-09 affects any entity using U.S. GAAP that either enters into contracts with customers to transfer goods or services or enters into contracts for the transfer of nonfinancial assets unless those contracts are within the scope of other standards (e.g., insurance contracts or lease contracts). This ASU will supersede the revenue recognition requirements in Topic 605, Revenue Recognition, and most industry-specific guidance. This ASU also supersedes some cost guidance included in Subtopic 605-35, Revenue Recognition-Construction-Type and Production-Type Contracts. In addition, the existing requirements for the recognition of a gain or loss on the transfer of nonfinancial assets that are not in a contract with a customer (e.g., assets within the scope of Topic 360, Property, Plant, and Equipment, and intangible assets within the scope of Topic 350, Intangibles-Goodwill and Other) are amended to be consistent with the guidance on recognition and measurement (including the constraint on revenue) in this ASU. The core principle of the guidance is that an entity should recognize revenue to depict the transfer of promised goods or services to customers in an amount that reflects the consideration to which the entity expects to be entitled in exchange for those goods or services. To achieve that core principle, an entity should apply the following steps:

Step 1: Identify the contract(s) with a customer.
Step 2: Identify the performance obligations in the contract.
Step 3: Determine the transaction price.
Step 4: Allocate the transaction price to the performance obligations in the contract.
Step 5: Recognize revenue when (or as) the entity satisfies a performance obligation.

For a public entity, the amendments in this ASU are effective for annual reporting periods beginning after December 15, 2017, including interim periods within that reporting period. Early application is not permitted. We are currently assessing the impact this standard will have on the Company's consolidated financial statements and required disclosures.

In February, 2016, the FASB issued Accounting Standards Update (ASU) No. 2016-11, *Leases (Topic 842).* Under the new guidance, lessees will be required to recognize a lease liability and right-of-use asset at the commencement date for all leases, with the exception of short term leases. For public business entities, the amendments are effective for financial statements issued for fiscal years beginning after December 15, 2018, and interim periods within those fiscal years. We are currently assessing the impact this standard will have on the Company's consolidated financial statements and required disclosures.

In March, 2016, the FASB issued Accounting Standards Update (ASU) No. 2016-09, *Stock Compensation (Topic 718).* This amendment is intended to improve and simplify the accounting for employee share-based payments including areas such as (a) income tax consequences; (b) classification of awards as either equity or liabilities; and (c) classification on the statement of cash flows.. For public business entities, the amendments are effective for financial statements issued for fiscal years beginning after December 15, 2016, and interim periods within those fiscal years. The Company has adopted this standard in 2017 and the impact on the Company's consolidated financial statements was not material.

Note 3 - Inventory

Inventory at June 30, 2017 and December 31, 2016 are as follows:

	June 30 2017	**December 31 2016**
Raw Materials	$ 339,920	$ 179,724
Finished Goods	483,542	234,660
Work In Process	85,595	194,688
Total equipment	$ 909,057	$ 609,072

Note 4 - Property and Equipment, Net

Property and equipment at June 30, 2017 and December 31, 2016 are as follows:

	June 30 2017	December 31 2016
Equipment & Installation	$ 1,942,552	$ 1,823,594
Trucking equipment	1,103,314	926,614
Computer equipment and software	112,332	111,518
Office equipment	28,361	27,155
Total equipment	3,186,559	2,888,881
Less: accumulated depreciation	1,787,572	1,420,755
Construction in process	1,491,283	1,101,228
Property and equipment, net	$ 2,890,270	$ 2,569,354

The Company uses the straight-line method of depreciation over 2 to 5 years. Depreciation expense for the six months ended June 30, 2017 and 2016 was $366,817 and $187,895, respectively. Depreciation expense for the quarters ended June 30, 2017 and 2016 was $187,375 and $106,120, respectively. For the six months ended June 30, 2017 and 2016, depreciation expense recorded as cost of sales were $349,447 and $184,017, respectively. For the six months ended June 30, 2017 and 2016, depreciation expense recorded as sales, general and administrative expenses were $17,370 and $3,878, respectively.

Note 5 - License Agreement

On January 15, 2009, the Company entered into an "Exclusive Patent and Know-How License Agreement Including Transfer of Ownership" (the "License Agreement") with the Energy and Environmental Research Center Foundation, a non-profit entity ("EERCF"). Under the terms of the License Agreement, the Company had been granted an exclusive license by EERCF with respect to certain patented technology to develop, make, have made, use, sell, offer to sell, lease, and import the technology in any coal-fired combustion systems (power plant) worldwide and to develop and perform the technology in any coal-fired power plant in the world. Amendments No. 4 and No. 5 to the License Agreement were made effective as of December 16, 2013 and August 14, 2014, respectively, expanding the number of patents covered, eliminated certain contract provisions and compliance issues and restructured the fee payments and buyout provisions while granting EERCF equity in the Company. The License Agreement applied to various domestic and foreign patents and patent applications which has formed the basis of the Company's mercury control technology.

The Company paid EERCF $100,000 in 2009 for the license to use the patents and at the option of the Company can pay $2,500,000 and issue 925,000 shares of common stock for the assignment of the patents or pay the greater of the license maintenance fees or royalties on product sales for continued use of the patents (see below). The license maintenance fees are $25,000 due monthly beginning in January 1, 2014 and continuing each month thereafter. The running royalties are $100 per one megawatt of electronic nameplate capacity and $100 per three megawatt per hour for the application to thermal systems to which licensed products or licensed processes are sold by the Company, associate and sublicenses. Running royalties are payable by the Company within 30 days after the end of each calendar year to the licensor and may be credited against license maintenance fees paid. In January 2017 $722,380 was paid to the EERCF for 2016 royalties, and this was accrued as of December 31, 2016.

On April 24, 2017, the Company closed on the acquisition from EERCF of all patent rights, including all patents and patents pending, domestic and foreign, relating to the foregoing technology. A total of 42 domestic and foreign patents and patent applications were included in the acquisition. In accordance with the terms of the License Agreement, the patent rights were acquired for the purchase price of (i) $2,500,000 in cash, and (ii) 925,000 shares of common stock of which 628,998 shares were issued to EERCF and 296,002 were issued to the inventors who had been designated by EERCF. Therefore, the Company has not accrued royalty expense as of June 30, 2017. As a result of the acquisition of the patent rights, no additional monthly license maintenance fees and annual running royalties shall be due and owing to the EERCF following closing which fees and royalties have now been eliminated.

The Company was required to pay EERCF 35% of all sublicense income received by the Company, excluding royalties on sales by sublicensees. Sublicense income is payable by the Company within 30 day after the end of each calendar year to the licensor. On April 24, 2017, this requirement ended upon the Company's payment for the assignment and acquisition of the patent rights. There was no sublicense income in the quarter ended June 30, 2017 or the year ended December 31, 2016, respectively.

License and patent costs capitalized as of June 30, 2017 and December 31, 2016 are as follows:

	June 30 2017	**December 31 2016**
Patents	$ 3,068,985	$ -
License	-	100,000
Less: Accumulated Amortization	(34,513)	(47,055)
License, Net	$ 3,034,472	$ 52,945

The Company is currently amortizing its patents over their estimated useful life of 15 years. Amortization expense for the six months ended June 30, 2017 and 2016 was $36,473 and $2,942, respectively. Amortization expense for the quarters ended June 30, 2017 and 2016 was $35,003 and $1,470, respectively. Estimated annual amortization for each of the next five years is approximately $207,080.

Note 6 – Notes Payable

The Company has the following convertible notes payable outstanding as of June 30, 2017 and December 31, 2016:

	2017	2016
Secured convertible promissory notes which mature on July 31, 2018, bear interest at 10% per annum, and are convertible into one share of common stock, par value $0.001 per share, with the initial conversion ratio equal to $0.50 per share.	$ 1,550,000	$ 1,575,000
Secured promissory note which matures on June 15, 2018 and bears interest at 12% per annum.	2,146,686	2,646,686
Unsecured promissory note which matures on December 15, 2020, and bears interest at LIBOR + 500 per annum.	13,000,000	13,000,000
Total notes payable before discount and debt issuance costs	16,696,686	17,221,686
Less discounts	(2,217,803)	(2,587,519)
Less debt issuance costs	(236,361)	(313,344)
Total notes payable	14,242,522	14,320,823
Less current portion	2,250,000	1,500,000
Notes payable, net of current portion	$11,992,522	$12,820,823

As of June 30, 2017, scheduled principal payments due on notes payable are as follows:

Twelve months ended June 30,	
2018	$ 2,250,000
2019	4,300,000
2020	3,000,000
2021	7,146,686
	$16,696,686

From July 30, 2013 through December 24, 2013, the Company sold convertible notes and warrants to unaffiliated accredited investors totaling $1,902,500. The notes have a term of three years, bear interest at 10% per annum, and are convertible into one share of common stock, par value $0.001 per share, with the initial conversion ratio equal to $0.50 per share. For each dollar invested, the investor received two warrants to purchase one shares of common stock of the Issuer at an exercise price of $0.75 per share. The notes may be converted at any time and from time to time in whole or in part prior to the maturity date thereof. These securities were sold in reliance upon the exemption provided by Section 4(2) of the Securities Act and the safe harbor of Rule 506 under Regulation D promulgated under the Securities Act. Interest expense for the six months ended June 30, 2017 and 2016, was $78,125 and $82,250, respectively. A discount on the notes payable of $841,342 was recorded based on the value of the warrants issued using a Black-Scholes options pricing model. Amortized interest expense for the six months ended June 30, 2017 and 2016 on this discount was $75,606 and $76,061, respectively. As of June 30, 2017 and December 31, 2016, total principal of $1,550,000 and $1,575,000 was outstanding on these notes.

New AC Midwest Secured Note

On November 29, 2016 the Company closed on the transactions contemplated by a new Restated Financing Agreement entered into with AC Midwest on November 1, 2016 whereby at closing AC Midwest, which held various warrants to acquire shares of the Company's common stock, exercised on a cashless basis a portion of its warrants for 10,000,000 shares of the Company's common stock and exchanged previous AC Midwest Notes, together with all accrued and unpaid interest thereon, and the remaining unexercised portion of its warrants, for (i) a new secured note in the principal amount of $9,646,686 (the "New AC Midwest Secured Note"), and (ii) a subordinated unsecured note in the principal amount of $13,000,000 (the "AC Midwest Subordinated Note"). The New AC Midwest Secured Note, which will mature on December 15, 2018 and is guaranteed by MES, is nonconvertible and bears interest at a rate of 12.0% per annum, payable quarterly in arrears on or before the last day of each fiscal quarter beginning December 31, 2016. Commencing on June 15, 2017 and continuing on each September 15, December 15, March 15 and June 15 thereafter, the Company shall pay principal on the New AC Midwest Secured Note in equal installments of (i) $500,000 per quarter for the 2017 calendar year, (ii) $625,000 on March 15, 2018, (iii) with a final payment of all outstanding principal together with such other amounts as shall then be due and owing from the Company to AC Midwest under the New AC Midwest Secured Note on the maturity date. The New AC Midwest Secured Note is secured, like the previous AC Midwest Notes which were exchanged and cancelled, by all of the assets of the Company and MES. Interest expense for the six months ended June 30, 2017 was $157,017. As of June 30, 2017 and December 31, 2016, total principal of $2,146,686 and $2,646,686 was outstanding on this note.

AC Midwest Subordinated Note

The AC Midwest Subordinated Note, which will mature on December 15, 2020 and is guaranteed by MES, is nonconvertible and bears interest equal to the three-month LIBOR rate plus 5.0% per annum, payable quarterly on or before the last day of each fiscal quarter beginning December 31, 2016. The interest rate shall be subject to adjustment each quarter based on the then current LIBOR rate. Commencing on June 15, 2017 and continuing on each September 15, December 15, March 15 and June 15 thereafter, the Company shall pay principal on the AC Midwest Subordinated Note in equal installments of (i) $500,000 per quarter for the 2017 calendar year, (ii) $625,000 per quarter for the 2018 calendar year, and (iii) thereafter $750,000 per quarter, with a final payment of all outstanding principal together with such other amounts as shall then be due and owing from the Company to AC Midwest on the maturity date. Notwithstanding the foregoing, until the New AC Midwest Secured Note and a letter of credit note issued by the Company to AC Midwest on January 28, 2016 in the amount of $2,000,000 (the "LC Note") are paid in full, AC Midwest will not be entitled to receive any payment on account of the AC Midwest Subordinated Note (other than regularly scheduled interest payments). Interest expense on the AC Midwest Subordinated Note for the quarter ended March 31, 2017 was $196,355. As of March 31, 2017 and December 31, 2016, total principal of $13,000,000 and $13,000,000, respectively, was outstanding on this note. The Company determined that the rate of interest on the AC Midwest Subordinated Note was a below market rate of interest and determined that a discount of $2,400,000 should be recorded. This discount is based on an applicable market rate for unsecured debt for the Company of 15% and will be amortized as interested expense over the life of the loan. Amortized discount recorded as interest expense for the six months ended June 30, 2017 was $294,110. The LC Note was issued to evidence any indebtedness owed by the Company arising from any draws made under a letter of credit arranged for the Company by AC Midwest with its bank. Although no amounts have yet to be drawn on the letter of credit, the letter of credit remains available.

Table of Contents

Note 7 – Equipment Notes Payable

The Company has the following equipment notes payable outstanding as of June 30, 2017 and December 31, 2016:

	2017	2016
On September 30, 2015, the Company entered into a retail installment purchase contract in the amount of $57,007, secured by a 2016 Dodge Ram 5500 purchased on that date. This installment loan bears interest at a fixed rate of 4.22% and the Company shall make 60 monthly payments of $1,056 beginning October 30, 2015.	$ 38,405	$ 43,860
On December 15, 2015, the Company entered into a retail installment purchase contract in the amount of $56,711, secured by a 2016 Dodge Ram 5500 purchased on that date. This installment loan bears interest at a fixed rate of 4.22% and the Company shall make 60 monthly payments of $1,050 beginning January 15, 2016.	40,934	46,304
On March 8, 2016, the Company entered into a retail installment purchase contract in the amount of $46,492, secured by a 2016 Dodge Ram 2500 purchased on that date. This installment loan bears interest at a fixed rate of 5.62% and the Company shall make 72 monthly payments of $764 beginning April 8, 2016.	38,025	41,483
On May 26, 2016, the Company entered into a retail installment purchase contract in the amount of $56,936, secured by a 2016 Dodge Ram 5500 purchased on that date. This installment loan bears interest at a fixed rate of 4.89% and the Company shall make 60 monthly payments of $1,072 beginning June 26, 2016.	45,751	50,987
On January 23, 2017, the Company entered into a retail installment purchase contract in the amount of $58,926, secured by a 2017 Dodge Ram 5500 purchased on that date. This installment loan bears interest at a fixed rate of 4.74% and the Company shall make 60 monthly payments of $1,105 beginning February 23, 2017.	54,528	-
On February 29, 2017, the Company entered into a retail installment purchase contract in the amount of $42,275, secured by a 2017 Dodge Ram 2500 purchased on that date. This installment loan bears interest at a fixed rate of 4.74% and the Company shall make 60 monthly payments of $793 beginning March 29, 2017.	39,757	-
Total equipment notes payable	257,400	182,634
Less Current Portion	59,132	39,499
Equipment notes payable, net of current portion	$ 198,268	$ 143,135

As of June 30, 2017, scheduled principal payments due on equipment notes payable are as follows:

For the year ended June 30,	
2018	$ 59,132
2019	61,959
2020	64,923
2021	50,968
2022	20,418
	$ 257,400

Note 8 – Warrant Liability

On August 14, 2014, the Company issued to Drexel Hamilton, LLC ("Drexel") in association with a financing transaction with AC Midwest: (i) a 5-year warrant to purchase up to 800,000 shares of common stock at $1.00 per share; and (ii) a 5-year warrant to purchase up to 1,000,000 shares of common stock at $0.50 per share, both subject to adjustments similar to the Warrant issued to the Lender. On February 19, 2016, the exercise price of both of these warrants was reduced to $0.35. These warrants were valued in accordance with FASB ASC 815-10 as liabilities using a Monte Carlo Simulation Model. The fair value of the warrant liability on the issuance date for the warrants issued to Drexel were valued at $1,251,200 and were recorded as transaction costs associated with Financing Agreement. As of December 31, 2016, pursuant to a new valuation performed in accordance with FASB ASC 815-10, the total value of the remaining 936,164 warrants was adjusted to $1,067,000. During the six months ended June 30, 2017, 224,444 of these warrants were exercised and $230,977 was recorded as paid in capital for the shares issued. As of March 31, 2017, pursuant to a new valuation performed in accordance with FASB ASC 815-10, the total value of these warrants was adjusted to $786,000 and a gain for the change in value of the liability of $167,000 was recognized. As of June 30, 2017, pursuant to a new valuation performed in accordance with FASB ASC 815-10, the total value of these warrants was adjusted to $164,000 and a gain for the change in value of the liability of $505,023 was recognized. The significant assumptions considered by the model were the remaining term of the warrants, operational forecasts provided by the Company, a risk free treasury rate for 1.55% and 1.47% and an expected volatility rate of 96.6% and 112.2% at June 30, 2017 and December 31, 2016, respectively.

On February 19, 2016, in connection to Amendment No. 2 and Amendment No. 3, the Company issued Drexel: a 5-year warrant to purchase up to 300,000 shares of common stock at $0.35 per share as compensation for services rendered. 200,000 of these warrants were valued in accordance with FASB ASC 815-10 as liabilities using a Monte Carlo Simulation Model as of November 16, 2015. The fair value of the warrant liability on the issuance date for the warrants to be issued was $55,200 which was recorded as debt issuance costs. As of December 31, 2016, pursuant to a new valuation performed in accordance with FASB ASC 815-10, the total value of the remaining 205,000 warrants was adjusted to $246,000. As of March 31, 2017, pursuant to a new valuation performed in accordance with FASB ASC 815-10, the total value of these warrants was adjusted to $205,000 and a gain for the change in value of the liability of $41,000 was recognized. .As of June 30, 2017, pursuant to a new valuation performed in accordance with FASB ASC 815-10, the total value of these warrants was adjusted to $55,000 and a gain for the change in value of the liability of $150,000 was recognized.

Note 9 – Commitments and Contingencies

Property Leases

On June 1, 2011, the Company entered into a lease for warehouse space in Centralia, Washington, commencing August 1, 2011. The lease is currently operating on a month to month basis. Rent is $510 monthly throughout the term of the lease.

On January 27, 2015, the Company entered into a 13-month lease for office space in Lewis Center, Ohio, commencing February 1, 2015. The lease provides for the option to extend the lease for up to five additional years. Rent was abated for the first month of the lease. To date, the lease has been extended twice through February 2018. Monthly rent is $1,386 through February 2018.

On July 1, 2015, the Company entered into a five year lease for warehouse space in Corsicana, Texas. Rent is $3,750 monthly throughout the term of the lease and is waived from July 1, 2016 through September 30, 2016. The Company is also responsible for the pro rata share of the projected monthly expenses for the property taxes. The current pro rata share is $881.79.

On September 1, 2015, the Company entered into a three year lease for office space in Grand Forks, North Dakota. Rent is $3,500 monthly for the first year and decreases to $2,500 throughout the remainder of the term of the lease.

Future minimum lease payments under these non-cancelable leases are approximately as follows:

For the twelve months ended June 30	
2018	$ 86,000
2019	50,000
2020	45,000
	$ 181,000

Rent expense was approximately $55,000 and $70,000 for the six months ended June 30, 2017 and 2016, respectively.

Fixed Price Contract

The Company's multi-year contracts with its commercial customers contain fixed prices for product. These contracts expire through 2019 and expose the Company to the potential risks associated with rising material costs during that same period.

Legal proceedings

The Company is involved in various claims and legal proceedings arising from the normal course of business. While the ultimate liability, if any, from these proceedings is presently indeterminable, in the opinion of management, these matters should not have a material adverse effect on the Company's consolidated financial statements.

Note 10 – Equity

The Company was established with two classes of stock, common stock – 150,000,000 shares authorized at a par value of $0.001 and preferred stock – 2,000,000 shares authorized at a par value of $0.001.

Common Stock

On January 13, 2017, the Company issued 36,842 shares of common stock upon the cashless exercise of warrants to purchase 50,000 shares of common stock for $0.35 per share based on a market value of $1.33 per share as determined under the terms of the warrant.

On January 18, 2017, the Company issued 36,112 shares of common stock upon the cashless exercise of warrants to purchase 50,000 shares of common stock for $0.35 per share based on a market value of $1.26 per share as determined under the terms of the warrant.

On February 6, 2017, the Company issued 21,191 shares of common stock upon the cashless exercise of warrants to purchase 29,179 shares of common stock for $0.35 per share based on a market value of $1.2785 per share as determined under the terms of the warrant.

On February 7, 2017, the Company issued 35,169 shares of common stock upon the cashless exercise of warrants to purchase 50,000 shares of common stock for $0.35 per share based on a market value of $1.18 per share as determined under the terms of the warrant.

On March 30, 2017, the Company issued 16,915 shares of common stock upon the cashless exercise of warrants to purchase 24,316 shares of common stock for $0.35 per share based on a market value of $1.21 per share as determined under the terms of the warrant.

On March 30, 2017, the Company issued 51,236 shares of common stock upon the conversion of a note with principal and accrued interest totaling $25,618, that bears interest at 10% per annum, and was convertible into one share of common stock, par value $0.001 per share, with a conversion ratio equal to $0.50 per share.

On April 5, 2017, the Company issued 45,488 shares of common stock upon the cashless exercise of warrants to purchase 64,444 shares of common stock for $0.35 per share based on a market value of $1.19 per share as determined under the terms of the warrant.

On April 12, 2017, the Company issued 43,200 shares of common stock upon the cashless exercise of warrants to purchase 60,000 shares of common stock for $0.35 per share based on a market value of $1.25 per share as determined under the terms of the warrant.

On May 2, 2017, the Company issued 345,071 shares of common stock upon the cashless exercise of warrants to purchase 500,910 shares of common stock for $0.35 per share based on a market value of $1.125 per share as determined under the terms of the warrant.

On May 3, 2017, the Company issued 50,226 shares of common stock upon the cashless exercise of warrants to purchase 72,948 shares of common stock for $0.35 per share based on a market value of $1.1237 per share as determined under the terms of the warrant.

On May 16, 2017, the Company issued 130,000 shares of common stock pursuant to a Settlement Agreement with two unrelated third parties which shares were valued at $0.47 per share based on the market value as of May 16, 2017.

Effective as of April 24, 2017, the Company issued 925,000 shares of common stock in connection with the closing on the acquisition of certain patent rights from Energy & Environmental Research Center Foundation ("EERCF") for the purchase price of $2,500,000 paid to EERCF in cash, 628,998 shares of common stock to EERCF and 296,002 shares to inventors designated by EERCF. The shares issued were valued at $0.56 per share, representing the value as of the closing date.

Note 11 - Stock Based Compensation

On January 10, 2014, the Board of Directors of the Company approved and adopted, subject to stockholder approval, which was obtained at the annual stockholders meeting held on November 16, 2014, the Midwest Energy Emissions Corp. 2014 Equity Incentive Plan (the "2014 Equity Plan"). The number of shares of the Company's Common Stock that may be issued under the 2014 Equity Plan is 2,500,000 shares, subject to the adjustment for stock dividends, stock splits, recapitalizations and similar corporate events. Eligible participants under the 2014 Equity Plan shall include officers, employees of or consultants to the Company or any of its subsidiaries, or any person to whom an offer of employment is extended, or any person who is a non-employee director of the Company. On October 9, 2014, the Board of Directors approved and adopted the First Amendment to the plan, subject to stockholder approval, which was obtained at the annual stockholders meeting held on November 18, 2014, which increased the number of shares issuable under the plan to 7,500,000.

On February 9, 2017, the Board of Directors of the Company adopted the Midwest Energy Emissions Corp. 2017 Equity Incentive Plan (the "2017 Equity Plan"), which was approved by stockholders at the annual stockholders meeting held on June 6, 2017. The 2017 Equity Plan provides for the grant of incentive stock options (subject to applicable stockholder approval), nonqualified stock options, restricted stock awards, stock appreciation rights, restricted share units, performance awards and other type of awards described therein. Eligible recipients under the 2017 Equity Plan include the Company's officers, directors, employees and consultants of the Company or one of its subsidiaries. The maximum number of shares of common stock that may be issued under the 2017 Equity Plan is 8,000,000. The 2017 Equity Plan will be administered by the Board or one or more committees appointed by the Board. The 2017 Equity Plan replaces the 2014 Equity Plan which was terminated by the Board of Directors on April 28, 2017.

The Company accounts for stock-based compensation awards in accordance with the provisions of ASC 718, which addresses the accounting for employee stock options which requires that the cost of all employee stock options, as well as other equity-based compensation arrangements, be reflected in the consolidated financial statements over the vesting period based on the estimated fair value of the awards.

A summary of stock option activity for the quarter ended June 30, 2017 is presented below:

	Number of Shares	Weighted Average Exercise Price	Weighted Average Remaining Contractual Life (years)	Aggregate Intrinsic Value
December 31, 2015	6,720,458	1.35	3.7	-
Grants	1,600,000	0.99	4.6	-
Exercises	(100,000)	0.37	-	-
Expirations	(5,001)	22.00	-	-
Cancellations	(665,000)	-	-	-
December 31, 2016	7,550,457	1.29	3.2	-
Grants	1,350,000	1.11	4.7	-
June 30, 2017	8,900,457	1.26	3.0	-
Options exercisable at:				
December 31, 2016	6,700,457	1.31	3.0	
June 30, 2017	8,125,457	1.27	2.9	

The Company utilized the Black-Scholes options pricing model. The significant assumptions utilized for the Black Scholes calculations consist of an expected life of equal to the expiration term of the option, historical volatility of 112.2%, and a risk free interest rate of 3%.

On May 1, 2016, the Company issued nonqualified stock options to acquire 25,000 shares each of the Company's common stock to Christopher Greenberg, Brian Johnson and Christopher Lee, each then a director of the Company, under the Company's 2014 Equity Plan. The options granted are exercisable at $0.42 per share, representing the fair market value of the common stock as of the date of the grant as determined under the 2014 Equity Plan. On April 27, 2017 Brian Johnson and Christopher Lee resigned as directors of the Company. The options granted to them remain exercisable for 90 days following their resignation after which such options shall terminate. Based on a Black-Scholes valuation model, these options were valued at $19,376 in accordance with FASB ASC Topic 718. Compensation expense for the three months ended June 30, 2017 and 2016 on the issued options was $1,615 and $3,230, respectively. Compensation expense for the six months ended June 30, 2017 and 2016 on the issued options was $6,460 and $3,230, respectively.

On October 4, 2016 the Company granted nonqualified stock options to acquire 25,000 shares of the Company's common stock to Todd Ferrell. The options granted are exercisable at $1.36 per share, representing the fair market value of the common stock as of the date of grant. These options will vest and become exercisable on February 1, 2018 and will expire five years from the grant date. Based on a Black-Scholes valuation model, these options were valued at $22,157 in accordance with FASB ASC Topic 718. Compensation expense for the three months ended June 30, 2017 and 2016 on the issued options was $3,909 and $0, respectively. Compensation expense for the six months ended June 30, 2017 and 2016 on the issued options was $7,818 and $0, respectively.

On February 1, 2017, the Company issued nonqualified stock options to acquire 50,000 shares each of the Company's common stock to Brian Johnson, Christopher Lee and Allan Grantham and nonqualified stock options to acquire 100,000 shares of the Company's common stock to Christopher Greenberg, each then a director of the Company, under the Company's 2014 Equity Plan. The options granted are exercisable at $1.20 per share, representing the fair market value of the common stock as of the date of the grant as determined under the 2014 Equity Plan. The options are fully vested and exercisable as of the date of grant and will expire five years thereafter. As a result of the resignations of Brian Johnson and Christopher Lee on April 27, 2017, the options granted to them remain exercisable for 90 days following their resignation after which such options shall terminate. Based on a Black-Scholes valuation model, these options were valued at $233,817 in accordance with FASB ASC Topic 718.

On February 10, 2017, the Company issued nonqualified stock options to acquire 25,000 shares each of the Company's common stock to Nicholas Lentz and Johnny Battle, nonqualified stock options to acquire 50,000 shares of the Company's common stock to John Pavlish, nonqualified stock options to acquire 150,000 shares of the Company's common stock to Richard Gross and nonqualified stock options to acquire 500,000 shares of the Company's common stock to James Trettel under the Company's 2017 Equity Plan. The options granted are exercisable at $1.15 per share, representing the fair market value of the common stock as of the date of the grant as determined under the 2017 Equity Plan. The options are fully vested and exercisable as of the date of grant and will expire five year thereafter. Based on a Black-Scholes valuation model, these options were valued at $712,050 in accordance with FASB ASC Topic 718.

On April 27, 2017, the Company issued nonqualified stock options to acquire 125,000 shares each of the Company's common stocks to Brian Johnson and Christopher Lee under the Company's 2017 Equity Plan. The options granted are exercisable at $0.96 per share, representing the fair market value of the common stock as of the date of the grant as determined under the 2017 Equity Plan. Notwithstanding their resignations as directors, the options are fully vested and exercisable as of the date of grant and will expire five years thereafter. Based on a Black-Scholes valuation model, these options were valued at $194,732 in accordance with FASB ASC Topic 718.

On June 1, 2017, the Company issued nonqualified stock options to acquire 100,000 shares each of the Company's common stock to Patrick under the Company's 2017 Equity Plan. The options granted are exercisable at $1.01 per share, which is greater than the fair market value of the common stock on the date of grant and represents the fair market value of the common stock on March 1, 2017. The options are fully vested and exercisable as of the date of grant and will expire five years thereafter. Based on a Black-Scholes valuation model, these options were valued at $81,903 in accordance with FASB ASC Topic 718.

Note 12 - Warrants

Unless sold and issued warrants are subject to the provisions of FASB ASC 815-10, the Company utilized a Black-Scholes options pricing model to value the warrants sold and issued. This model requires the input of highly subjective assumptions such as the expected stock price volatility and the expected period until the warrants are exercised. When calculating the value of warrants issued, the Company uses a volatility factor of 96.6%, a risk free interest rate and the life of the warrant for the exercise period. When sold and issued warrants were valued in accordance with FASB ASC 815-10, the fair value was determined using a Monte Carlo Simulation Model.

The following table summarizes information about common stock warrants outstanding at June 30, 2017:

	Outstanding			Exercisable	
Exercise Price	**Number Outstanding**	**Weighted Average Remaining Contractual Life (years)**	**Weighted Average Exercise Price**	**Number Exercisable**	**Weighted Average Exercise Price**
$ 1.25	13,950	1.25	1.25	13,950	1.25
1.00	366,870	0.01	1.00	366,870	1.00
0.90	75,000	2.07	0.90	75,000	0.90
0.87	1,303,300	1.86	0.87	1,303,300	0.87
0.75	683,415	1.31	0.75	683,415	0.75
0.65	590,000	1.39	0.65	590,000	0.65
0.35	4,572,098*	1.94	0.35	4,572,098	0.35
	7,604,633	1.74		7,604,633	

Note * 916,720 warrants exercisable at $0.35 contain dilution protections that increase the number of shares purchasable at exercise upon the issuance of securities at a price below the current exercise price.

Note 13 – Tax

For the quarter ended June 30, 2017, the Company had a net operating loss carryforward offset by a valuation allowance and, accordingly, no current provision for income taxes has been recorded. At June 30, 2016, the Company's net operating loss carryforward was approximately $15.9 million and a deferred tax asset of $500,000 has been recorded due to sufficient evidence available to support the realization of certain tax assets in future years. Our deferred tax asset primarily related to net operating losses and a valuation allowance has been established due to the uncertainty of the utilization of all of these assets in future periods. The net operating loss carryforward will begin to expire in 2030.

Section 382 of the Internal Code allows post-change corporations to use pre-change net operating losses, but limit the amount of losses that may be used annually to a percentage of the entity value of the corporation at the date of the ownership change. The applicable percentage is the federal long-term tax-exempt rate for the month during which the change in ownership occurs.

Note 14 – Subsequent Events

Pursuant to the terms of a consulting agreement entered into on July 31, 2017, effective as of July 1, 2017, the Company issued 1,000,000 shares of common stock to Dathna Partners, LLC which shall be earned in the following manner: 250,000 shares will be earned by the consultant and deemed immediately vested on the effective date, and the remaining 750,000 shares will be earned by the consultant and deemed vested, in 12 equal monthly installments of 62,500 shares beginning on July 31, 2017 and monthly thereafter until June 30, 2018. The shares issued were valued at $0.37 per share, representing the value as of the issuance date.

ITEM 2 – MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

Background

Midwest Energy Emissions Corp. (the "Company", "we", "us" and "our") develops and deploys patented, proprietary technologies to remove mercury emissions from coal-fired power plants. The U.S. EPA MATS (Mercury and Air Toxics Standards) rule requires that all coal and oil-fired power plants in the U.S., larger than 25MWs, must limit mercury in its emissions to below certain specified levels, according to the type of coal burned. Power plants were required to begin complying with MATS on April 16, 2015, unless they were granted a one-year extension to begin to comply. MATS, along with many state and provincial regulations, form the basis for mercury emission capture at coal fired plants across North America. Under the MATS regulation, Electric Generating Units ("EGUs") are required to remove about 90% of the mercury from their emissions. We believe that we continue to meet the requirements of the industry as a whole and our technologies have been shown to achieve mercury removal levels compliant with all state, provincial and federal regulations at a lower cost and with less plant impact than our competition.

As is typical in this market, we are paid by the EGU based on how much of our material is injected to achieve the needed level of mercury removal. Our current clients pay us as material is delivered to their facility. Clients will use our material whenever their EGUs operate, although EGUs are not always in operation. EGUs typically may not be in operation due to maintenance reasons or when the price of power in the market is less than their cost to produce power. Thus, our revenues from EGU clients will not typically be a consistent stream but will fluctuate, especially seasonally as the market demand for power fluctuates.

The MATS regulation has been subject to legal challenge, and in June 2015, the U.S. Supreme Court held that the EPA unreasonably failed to consider costs in determining whether it is "appropriate and necessary" to regulate hazardous air pollutants, including mercury, from power plants. The Court remanded the case back to the U.S. Court of Appeals for the District of Columbia Circuit for further proceedings, but left the rule in place. In December 2015, the D.C. Circuit remanded the rule back to the EPA for further consideration while allowing MATS to remain in effect pending the EPA's finding; the Supreme Court later denied a petition challenging the lower court's decision to remand without vacating. On April 14, 2016, EPA issued a final supplemental finding reaffirming the MATS rule on the ground that it is supported by the cost analysis the Supreme Court required. That supplemental finding is under review by the D.C. Circuit, and the Company is unable to predict with certainty the outcome of these proceedings. On April 18, 2017, EPA asked the court to place that litigation in abeyance, stating that the Agency is reviewing the supplemental finding to determine whether it should be reconsidered in whole or in part. The court granted EPA's abeyance request on April 27, 2017, and ordered EPA to file 90-day status reports starting July 26, 2017. The Company is unable to predict how EPA will proceed, but any changes to the MATS rule could have a negative impact on our business.

We remain focused on positioning the Company for short and long-term growth. In the six months ended June 30, 2017, we focused on continual operational improvement at our customer sites. We continue to make refinements to all of our key products, as we continue to focus on the customer and its operations. As described below, we achieved substantial increases in product sales revenues compared to the prior year on our now 20 fully operational MATS compliant EGU's under contract. On April 24, 2017 the Company acquired the Patent Rights from the EERCF for a purchase price of $2,500,000 in cash and 925,000 shares of common stock. This acquisition positions the Company to continue its growth across North America, including the licensing of systems using a two-part process here in the United States and Canada.

Results of Operations

Revenues

Sales - We generated revenues of approximately $7,931,000 and $9,392,000 for the quarters ended June 30, 2017 and 2016, respectively and $13,359,000 and $12,766,000 for the six months ended June 30, 2017 and 2016, respectively. Total sorbent product sales for the three months ended June 30, 2017 and 2016 were $7,113,000 and $6,872,000, respectively. Total sorbent product sales for the six months ended June 30, 2017 and 2016 were $12,397,000 and $9,710,000, respectively. These increases from the prior year were associated with the MATS compliance activities of our customers, which began in April 2016, with all of our customers in operation by the end of the period.

Equipment sales for the three months ended June 30, 2017 and 2016 were $777,000 and $2,391,000, respectively. Equipment sales for the six months ended June 30, 2017 and 2016 were $784,000 and $2,556,000, respectively. In 2017, equipment sales were primarily related to one front end injection system. Equipment sales during 2016 were primarily related to the commissioning of one customer project that included both a front end and back end product injection systems.

Other revenues for the three months ended June 30, 2017 and 2016 were $42,000 and $129,000, respectively. Other revenues for the six months ended June 30, 2017 and 2016 were $178,000 and $500,000, respectively. This decrease is primarily associated with decreased demonstration revenues in the six months ended June 30, 2017 from the same period in the prior year.

Cost and Expenses

Costs and expenses were $7,309,000 and $8,975,000 during the three months ended June 30, 2017 and 2016, respectively, and were $13,789,000 and $12,634,000 for the six months ended June 30, 2017 and 2016, respectively. The decrease in costs and expenses for the three months ended June 30, 2017 versus June 30, 2016 is primarily due to a decrease in equipment cost of sales. The increase in costs and expenses for the six months ended June 30, 2017 versus June 30, 2016 is primarily due to an increase in selling, general and administrative expenses over prior year.

Cost of sales during the three months ended June 30, 2017 and 2016 were $4,996,000 and $7,304,000, respectively, and were $8,782,000 and $9,792,000 for the six months ended June 30, 2017 and 2016, respectively. The decrease in cost is primarily attributable to the significant decrease in equipment sales in 2017.

Selling, general and administrative expenses were $2,313,000 and $1,671,000 for the quarters ended June 30, 2017 and 2016, respectively, and were $5,007,000 and $2,842,000 for the six months ended June 30, 2017 and 2016, respectively. The increase in selling, general and administrative expenses is primarily attributed to increases in salary and benefit costs from the prior year and stock based compensation associated with stock options issued to officers, directors and employees.

Other Expenses

Interest expense related to the financing of capital was $545,000 and $1,033,000 during the quarters ended June 30, 2017 and 2016, respectively, and were $1,085,000 and $3,106,000 for the six months ended June 30, 2017 and 2016, respectively. During the quarter ended March 31, 2016, The Company incurred a charge of $1,125,000 related to warrants issued in connection with the issuance of a letter of credit which was included in interest expense. During the quarters ended June 30, 2017 and 2016, a gain of $655,023 and a loss of $7,566,000, respectively, on the change in value of warrant liability was recorded. During the six months ended June 30, 2017 and 2016, a gain of $863,023 and a gain of $4,257,000, respectively, on the change in value of warrant liability was recorded.

Net Income (Loss)

For the quarter ended June 30, 2017 we had net income of approximately $671,000. For the quarter ended June 30, 2016 we had a net loss of approximately $8,243,000. For the six months ended June 30, 2017 and 2016 we had a net loss of $774,000 and $7,335,000, respectively. The change in net income is primarily due to the change in value of warrant liability.

Operating income was approximately $622,000 and $417,000 for the quarters ended June 30, 2017 and 2016, respectively. For the six months ended June 30, 2017 we had an operating loss of approximately $431,000 and for the six months ended June 30, 2016 we had operating income of approximately $132,000. The change in operating income is primarily due to increased margins achieved over the prior year due to the increase in product sales and is offset by increased selling, general and administrative expenses discussed above.

Taxes

Our deferred tax assets are primarily related to net operating losses and a valuation allowance has been established due to the uncertainty of the utilization of all of these assets in future periods. As of December 31, 2016, a benefit for income taxes of $500,000 was recorded due to sufficient evidence available to support the realization of certain tax assets in future years. The net operating loss carryforwards will begin to expire in 2030.

Non-GAAP Financial Measures

Adjusted EBITDA

To supplement our consolidated financial statements presented in accordance with GAAP and to provide investors with additional information regarding our financial results, we consider and are including herein Adjusted EBITDA, a Non-GAAP financial measure. We view Adjusted EBITDA as an operating performance measure and, as such, we believe that the GAAP financial measure most directly comparable to it is net income (loss). We define Adjusted EBITDA as net income adjusted for interest and financing fees, income taxes, depreciation, amortization, stock based compensation, and other non-cash income and expenses. We believe that Adjusted EBITDA provides us an important measure of operating performance because it allows management, investors, debtholders and others to evaluate and compare ongoing operating results from period to period by removing the impact of our asset base, any asset disposals or impairments, stock based compensation and other non-cash income and expense items associated with our reliance on issuing equity-linked debt securities to fund our working capital.

Our use of Adjusted EBITDA has limitations as an analytical tool, and this measure should not be considered in isolation or as a substitute for an analysis of our results as reported under GAAP, as the excluded items may have significant effects on our operating results and financial condition. Additionally, our measure of Adjusted EBITDA may differ from other companies' measure of Adjusted EBITDA. When evaluating our performance, Adjusted EBITDA should be considered with other financial performance measures, including various cash flow metrics, net income and other GAAP results. In the future, we may disclose different non-GAAP financial measures in order to help our investors and others more meaningfully evaluate and compare our future results of operations to our previously reported results of operations.

We prepare and publicly release quarterly unaudited financial statements prepared in accordance with GAAP. The following table shows our reconciliation of Net Income to Adjusted EBITDA for the quarters and six months ended June 30, 2017 and 2016, respectively:

	Quarter Ended June 30,		Six Months Ended June 30,	
	2017	2016	2017	2016
	(In thousands)		(In thousands)	
Net income (loss)	$ 671	$ (8,243)	$ (774)	$ (7,335)
Non-GAAP adjustments:				
Depreciation and amortization	322	229	624	393
Interest and letter of credit fees	606	1,094	1,206	3,309
Income taxes	6	3	6	4
Stock based compensation	282	404	1,237	583
Change in warrant liability	(655)	7,566	(863)	4,257
Settlement charges	61	-	-	-
Adjusted EBITDA	$ 1,293	$ 1,053	$ 1,436	$ 1,211

We are including below our unaudited reconciliation of Net Income to Adjusted EBITDA on a quarterly basis for the quarters ended June 30, 2017, March 31, 2017, December 31, 2016 and September 30, 2016:

	Quarter Ended (Unaudited)			
	6/30/2017	3/31/2017	12/31/2016	9/30/2016
	(In thousands)			
Net income (loss)	$ 671	$ (1,445)	$ (246)	$ (9,302)
Non-GAAP adjustments:				
Depreciation and amortization	322	302	271	249
Interest and letter of credit fees	606	600	896	1,034
Income taxes	6	-	(497)	20
Stock based compensation	282	955	191	385
Change in warrant liability	(655)	(208)	439	9,985
Gain on debt restructing	-	-	(407)	
Settlement charges	61	-	-	-
Adjusted EBITDA	$ 1,293	$ 204	$ 647	$ 2,371

Liquidity and Capital Resources

Our principal source of liquidity is cash generated from operating activities. As of June 30, 2017, our cash and cash equivalents totaled $1,691,000 versus $7,752,000 at December 31, 2016. The decrease in cash is primarily due to focusing on paying down accounts payable, the acquisition of the EERCF Patent Rights which included a cash payment of $2,500,000 and a principal repayment on promissory notes in the amount of $500,000.

Total assets were $13,850,000 at June 30, 2017 versus $15,878,000 at December 31, 2016. The change in total assets is primarily attributable to the decrease in cash offset by increases in accounts receivable and the patent rights line item due to the acquisition of the EERCF Patent Rights.

Total liabilities were $17,523,000 at June 30, 2017 versus $20,849,000 at December 31, 2016. The decrease in total liabilities is primarily due to the decrease in accounts payable, accrued expenses and the decrease in fair market value of the warrant liability.

Operating activities used $2,451,000 of cash during the quarter ended June 30, 2017 compared to providing $457,000 during the six months ended June 30, 2016. The change in cash used for operating activities is primarily attributable to the decrease in accounts payable and accrued liabilities during the six months ended June 30, 2017.

Investing activities used $3,086,000 and $908,000 during the six months ended June 30, 2017 and 2016, respectively. In 2017, the Company paid $2,500,000 for the acquisition of the EERCF Patent Rights. In 2016, additions of property and equipment associated with the expansion of our operations in preparation for MATS compliance activities of our customers were responsible for these expenditures

Financing activities used $526,000 during the six months ended June 30, 2016 versus $13,000 during the six months ended June 30, 2017. Financing activities during the six months ended June 30, 2017 was due to the repayment of principal of convertible promissory notes.

Off-Balance Sheet Arrangements

We do not have any off balance sheet arrangements that are reasonably likely to have a current or future effect on our financial condition, revenues, and results of operations, liquidity or capital expenditures.

Critical Accounting Policies and Estimates

Our discussion and analysis of our financial conditions and results of operation are based upon the accompanying consolidated financial statements which have been prepared in accordance with the generally accepted accounting principles in the U.S. The preparation of the consolidated financial statements requires that we make estimates and assumptions that affect the amounts reported in assets, liabilities, revenues and expenses. Management evaluates on an on-going basis our estimates with respect to the valuation allowances for accounts receivable, income taxes, accrued expenses and equity instrument valuation, for example. We base these estimates on various assumptions and experience that we believe to be reasonable. The following critical accounting policies are those that are important to the presentation of our financial condition and results of operations. These policies require management's most difficult, complex, or subjective judgments, often as a result of the need to make estimates of matters that are inherently uncertain.

The following critical accounting policies affect our more significant estimates used in the preparation of our consolidated financial statements. In particular, our most critical accounting policies relate to the recognition of revenue, and the valuation of our stock-based compensation.

Accounts Receivable

Trade accounts receivable are stated at the amount the Company expects to collect. The Company maintains allowances for doubtful accounts for estimated losses resulting from the inability of its customers to make required payments. Management considers the following factors when determining the collectability of specific customer accounts: customer credit-worthiness, past transaction history with the customer, current economic industry trends, and changes in customer payment terms. Past due balances over 90 days and other higher risk amounts are reviewed individually for collectability. If the financial condition of the Company's customers were to deteriorate, adversely affecting their ability to make payments, additional allowances would be required. Based on management's assessment, the Company provides for estimated uncollectible amounts through a charge to earnings and a credit to a valuation allowance. Balances that remain outstanding after the Company has used reasonable collection efforts are written off through a charge to the valuation allowance and a credit to accounts receivable.

Revenue Recognition

Revenue Recognition

The Company records revenue from sales in accordance with ASC 605, Revenue Recognition ("ASC 605"). The criteria for recognition are as follows:

1. Persuasive evidence of an arrangement exists;

2. Delivery has occurred or services have been rendered;

3. The seller's price to the buyer is fixed or determinable; and

4. Collectability is reasonably assured.

Determination of criteria (3) and (4) is based on management's judgments regarding the fixed nature of the selling prices of the products delivered and the collectability of those amounts. Provisions for discounts and rebates to customers, estimated returns and allowances, and other adjustments is provided for in the same period the related sales are recorded.

Income Taxes

Deferred tax assets and liabilities are recognized for the future tax consequences attributable to differences between the consolidated financial statement carrying amounts of existing assets and liabilities and their respective tax bases. Deferred tax assets, including tax loss and credit carryforwards, and liabilities are measured using enacted tax rates expected to apply to taxable income in the years in which those temporary differences are expected to be recovered or settled. The effect on deferred tax assets and liabilities of a change in tax rates is recognized in income in the period that includes the enactment date. Deferred income tax expense represents the change during the period in the deferred tax assets and deferred tax liabilities. The components of the deferred tax assets and liabilities are individually classified as current and non-current based on their characteristics. Deferred tax assets are reduced by a valuation allowance when, in the opinion of management, it is more likely than not that some portion or all of the deferred tax assets will not be realized.

The recognition, measurement and disclosure of uncertain tax positions recognized in an enterprise's consolidated financial statements are based on a more-likely-than-not recognition threshold. The Company did not have any unrecognized tax benefits at June 30, 2017 and December 31, 2016. When necessary, the Company would accrue penalties and interest related to unrecognized tax benefits as a component of income tax expense.

The Company and its subsidiaries file a consolidated income tax return in the U.S. federal jurisdiction and three state jurisdictions. The Company is no longer subject to U.S. federal examinations for years prior to 2013 or state tax examinations for years prior to 2012.

Stock-Based Compensation

We have adopted the provisions of *Share-Based Payments*, which requires that share-based payments be reflected as an expense based upon the grant-date fair value of those grants. Accordingly, the fair value of each option grant, non-vested stock award and shares issued under our employee stock purchase plan, were estimated on the date of grant. We estimate the fair value of these grants using the Black-Scholes model which requires us to make certain estimates in the assumptions used in this model, including the expected term the award will be held, the volatility of the underlying common stock, the discount rate, dividends and the forfeiture rate. The expected term represents the period of time that grants and awards are expected to be outstanding. Expected volatilities were based on historical volatility of our stock. The risk-free interest rate approximates the U.S. treasury rate corresponding to the expected term of the option. Dividends were assumed to be zero. Forfeiture estimates are based on historical data. These inputs are based on our assumptions, which we believe to be reasonable but that include complex and subjective variables. Other reasonable assumptions could result in different fair values for our stock-based awards. Stock-based compensation expense, as determined using the Black-Scholes option-pricing model, is recognized on a straight-line basis over the service period, net of estimated forfeitures. To the extent that actual results or revised estimates differ from the estimates used, those amounts will be recorded as an adjustment in the period that estimates are revised.

Warrant Liability

On August 14, 2014, Company issued the Lender a warrant to purchase 12,500,000 shares of the Company's common stock at $1.00 per share, subject to the adjustments (see Note 13 for changes to the terms of these warrants). The Company also issued to Drexel for the transaction: (i) a 5-year warrant to purchase up to 800,000 shares of common stock at $1.00 per share; and (ii) a 5-year warrant to purchase up to 1,000,000 shares of common stock at $0.50 per share, both subject to adjustments similar to the Warrant issued to the Lender. On February 19, 2016, the exercise price of both of these warrants was reduced to $0.35. During the year ended December 31, 2016, Drexel and its assigns exercised 1,060,929 warrants. During the six months ended June 30, 2017, Drexel and its assigns exercised 224,444 warrants (see Note 8).

On February 19, 2016, in connection to Amendment No. 2 and Amendment No. 3, the Company issued Drexel: a 5-year warrant to purchase up to 300,000 shares of common stock at $0.35 per share as compensation for services rendered. During the year ended December 31, 2016, Drexel and its assigns exercised 95,000 warrants.

These warrants are valued in accordance with FASB ASC 815-10 as liabilities using a Monte Carlo Simulation Model as of each reporting period date and the change in value can have a significant impact on the Company's bottom line. The significant assumptions considered by the model were the remaining term of the warrants, operational forecasts provided by the Company, the fair value per share stock price, a risk free treasury rate and an expected volatility rate at each measurement date.

Warrants

Unless sold and issued warrants are subject to the provisions of FASB ASC 815-10, the Company utilized a Black-Scholes options pricing model to value the warrants sold and issued. This model requires the input of highly subjective assumptions such as the expected stock price volatility and the expected period until the warrants are exercised. When calculating the value of warrants issued, the Company uses a volatility factor of 112%, a risk free interest rate and the life of the warrant for the exercise period. When sold and issued warrants were valued in accordance with FASB ASC 815-10, the fair value was determined using a Monte Carlo Simulation Model.

ITEM 3 - QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

We are a smaller reporting company as defined by Rule 12b-2 of the Securities Exchange Act of 1934 and are not required to provide the information under this item.

ITEM 4 - CONTROLS AND PROCEDURES

Under the supervision and with the participation of our management, including our principal executive officer and principal financial officer, we have evaluated the effectiveness of our disclosure controls and procedures (as defined in Rule 13a-15(e) and Rule 15d-15(e) of the Exchange Act) as of the end of the period covered by this report. Disclosure controls and procedures are designed to ensure that information required to be disclosed in reports filed or submitted under the Exchange Act is recorded, processed, summarized and reported within the time periods specified in the Securities and Exchange Commission's rules and forms, and that such information is accumulated and communicated to management, including our principal executive officer and principal financial officer, to allow timely decisions regarding required disclosure. Based on that evaluation, our principal executive officer and principal financial officer concluded, as of the end of the period covered by this report, that the Company's disclosure controls and procedures were not effective as a result of material weaknesses in our internal control over financial reporting. The ineffectiveness of our disclosure controls and procedures was due to the following material weaknesses in our internal control over financial reporting, which are common to many small companies: (i) lack of a sufficient complement of personnel commensurate with the Company's reporting requirements; and (ii) insufficient written documentation or training of our internal control policies and procedures which provide staff with guidance or framework for accounting and disclosing financial transactions.

Despite the existence of the material weaknesses above, we believe that the consolidated financial statements contained in this Form 10-Q fairly present our financial position, results of operations and cash flows as of and for the periods presented in all material respects.

Changes in Internal Control over Financial Reporting

There have been no changes in our internal control over financial reporting (as such term is defined in Rules 13a-15(f) and 15d-15 (f) under the Exchange Act) during the fiscal quarter covered by this report that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting. During 2016, certain actions were taken to address certain aspects of the material weaknesses disclosed above. We continue to actively plan for and implement additional control procedures to improve our overall control environment and expect these efforts to continue throughout 2017.

PART II – OTHER INFORMATION

ITEM 1 - LEGAL PROCEEDINGS

None

ITEM 1a - RISK FACTORS

We are a smaller reporting company as defined by Rule 12b-2 of the Securities Exchange Act of 1934 and are not required to provide the information under this item.

ITEM 2 - UNREGISTERED SALES OF EQUITY SECURITIES AND USE OF PROCEEDS

On April 5, 2017, we issued 45,488 shares of common stock upon the cashless exercise of warrants to purchase 64,444 shares of common stock for $0.35 per share based on a market value of $1.19 per share as determined under the terms of the warrant.

On April 12, 2017, we issued 43,200 shares of common stock upon the cashless exercise of warrants to purchase 60,000 shares of common stock for $0.35 per share based on a market value of $1.25 per share as determined under the terms of the warrant.

Effective as of April 24, 2017, we issued 925,000 shares of common stock in connection with the closing on the acquisition of certain patent rights from Energy & Environmental Research Center Foundation ("EERCF") for the purchase price of $2,500,000 paid to EERCF in cash, 628,998 shares of common stock to EERCF and 296,002 shares to inventors designated by EERCF. The shares issued were valued at $0.56 per share, representing the value as of the closing date.

On May 2, 2017, we issued 345,071 shares of common stock upon the cashless exercise of warrants to purchase 500,910 shares of common stock for $0.35 per share based on a market value of $1.125 per share as determined under the terms of the warrant.

On May 3, 2017, we issued 50,226 shares of common stock upon the cashless exercise of warrants to purchase 72,948 shares of common stock for $0.35 per share based on a market value of $1.1237 per share as determined under the terms of the warrant.

On May 16, 2017, we issued 130,000 shares of common stock pursuant to a Settlement Agreement with two unrelated third parties which shares were valued at $0.47 per share based on the market value as of May 16, 2017.

All of the foregoing securities were issued in reliance upon the exemption from registration pursuant to Section 4(a)(2) of the Securities Act of 1933, as amended, and /or Rule 506 thereunder, and where applicable, under Section 3(a)(9) under the Securities Act of 1933, as amended.

ITEM 3 - DEFAULT UPON SENIOR SECURITIES

Not applicable.

ITEM 4 - MINE SAFETY DISCLOSURES

Not applicable.

ITEM 5 - OTHER INFORMATION

None

ITEM 6 - EXHIBITS

Exhibit Number	Description
10.1*	Closing Agreement by and among Midwest Energy Emissions Corp., MES, Inc. and Energy & Environmental Research Center Foundation effective as of April 21, 2017
10.2*	Assignment of Patents by and between Energy & Environmental Research Center Foundation and Midwest Energy Emissions Corp. dated April 24, 2017
31.1*	Certification by Chief Executive Officer, required by Rule 13a-14(a) or Rule 15d-14(a) of the Exchange Act
31.2*	Certification by Chief Financial Officer, required by Rule 13a-14(a) or Rule 15d-14(a) of the Exchange Act
32.1*	Certification by Chief Executive Officer, required by Rule 13a-14(b) or Rule 15d-14(b) of the Exchange Act and Section 1350 of Chapter 63 of Title 18 of the United States Code
32.2*	Certification by Chief Financial Officer, required by Rule 13a-14(b) or Rule 15d-14(b) of the Exchange Act and Section 1350 of Chapter 63 of Title 18 of the United States Code
101*	The following financial information from our Quarterly Report on Form 10-Q for the six months ended June 30, 2016 formatted in Extensible Business Reporting Language (XBRL): (i) the Condensed Consolidated Balance Sheets, (ii) the Condensed Consolidated Statements of Operations, (iii) the Condensed Consolidated Statements of Stockholders' Deficit, (iv) the Condensed Consolidated Statements of Cash Flows, and (v) Notes to Condensed Consolidated Financial Statements

____

* Filed herewith.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

MIDWEST ENERGY EMISSIONS CORP.

Dated: August 21, 2017	By: */s/ Richard MacPherson* Richard MacPherson President and Chief Executive Officer (Principal Executive Officer)
Dated: August 21, 2017	By: */s/ Richard H. Gross* Richard H. Gross Chief Financial Officer (Principal Financial Officer)

CLOSING AGREEMENT

Reference is made to a certain Exclusive Patent and Know-How License Agreement including Transfer of Ownership, dated January 15, 2009 by and between RLP Energy, Inc., as predecessor in interest to MES (as defined below), and Energy & Environmental Research Center Foundation (the "Licensor"), a North Dakota nonprofit entity, as amended by Amendments 1, 2, 3, 4 and 5 prior hereto (as amended by Amendments 1, 2, 3, 4, and 5, the "License Agreement") by and among the Licensor, MES, Inc. ("MES"), a successor to all the rights, titles and interests of RLP Energy, Inc., and Midwest Energy Emissions Corp. ("ME$_2$C" and, together with MES, the "Company"). The License Agreement provides that under certain conditions the Company shall have the option to acquire the Patent Rights upon the payment of certain cash consideration and additional shares of its common stock, which option the Company has elected to exercise pursuant to a letter dated January 5, 2017, as amended on March 23, 2017 and April 12, 2017 (as amended, the "Election Letter"), between the Company and the Licensor. All capitalized terms used herein which are not defined herein, but which are defined in the License Agreement, shall have the respective meanings ascribed thereto in the License Agreement. This Agreement is hereinafter referred to as the "Closing Agreement".

The undersigned parties hereby agree and acknowledge as follows:

1. The undersigned parties hereby confirm that as of April 21, 2017 (the "Closing Date"), the Company has paid the Licensor $2,500,000 by wire transfer in immediately available funds. Within twenty four (24) business hours of the receipt by Licensor of the wire transfer of $2,500,000 as referred to in the preceding sentence, Licensor shall execute and deliver to ME$_2$C an Assignment of the Patent Rights (the "Assignment") in the form attached as Exhibit 1 hereto. Conditioned upon consummation of the transactions contemplated in the preceding two sentences, within 30 days of the date of the Assignment, the Company will issue (i) 628,998 shares of its common stock to the Licensor and (ii) 296,002 shares of its common stock directly from ME$_2$C to the Inventors in the quantities set out in the table immediately below, subject to receipt by the Company from the Licensor and each of the Inventors of a properly executed Recipient Agreement in the form attached as Exhibit 2 hereto, provided that no delay in delivery of an executed Recipient Agreement shall relieve ME$_2$C from the obligation to deliver the shares to the respective Recipient upon receipt of the applicable executed Recipient Agreement.

Inventor name	**Number of Inventor Shares**	**Percentage of Inventor Shares**
John Pavlish	97,958	33.09%
Ed Olson	97,958	33.09%
Mike Holmes	89,540	30.24%
Ye Zhang	7,770	2.62%
Steve Benson	1,388	0.46%
Jason Laumb	1,388	0.46%

The number of shares issuable hereunder to EERC Foundation and to each Inventor, as applicable, shall be adjusted proportionately to reflect any stock dividend, stock split, reverse stock split, or similar event with respect to the outstanding shares of common stock of ME$_2$C occurring subsequent to or concurrently with the Closing Date and prior to or concurrently with the issuance of the shares to the applicable Recipient.

2. As of the Closing Date, the Company has paid the Licensor $12,500 representing the prorated License Maintenance Fee as set forth in the Election Letter. Following the Closing Date, no additional License Maintenance Fees shall be due and owing to the Licensor. In addition, other than the Running Royalties for the calendar year 2016 which were paid within 30 days after the end of the calendar year 2016, no additional Running Royalties are due with respect to 2017 or otherwise, which additional Running Royalties are deemed waived. To the extent any such expenses were not paid previously, ME_2C agrees to pay all patent prosecution expenses incurred by the EERC Foundation for patent prosecution or patent application preparation and filing of any patent application set forth in the Assignment prior to the Closing Date upon presentation by the EERC Foundation of appropriate documentation of such expenses.

3. The Licensor hereby represents and warrants that (i) it is the sole owner of the entire right, title and interest in and to the Patent Rights transferred in accordance with the Assignment, (ii) it has the full and legal right and authority to assign to the Company the Patent Rights transferred in accordance with the Assignment, and (iii) no third party has or has ever had any license, option, lien or other rights or interest in or to the Patent Rights, except as otherwise set forth herein and in the License Agreement.

4. Within thirty (30) days after the Closing Date, Licensor shall provide the Company with all documents in its actual possession or as received from its patent counsel with respect to the filing, prosecution or infringement of the Patent Rights (including inventorship and patentability analyses) or the conception, reduction to practice or assignment by the inventors, of the inventions disclosed or claimed in the Patent Rights, including without limitation all files concerning the Patent Rights, as such files are maintained by Licensor. Licensor shall have the right to retain copies of all documents so delivered to the Company hereunder.

5. The Licensor retains a nontransferable, royalty-free, nonexclusive right for the University of North Dakota Energy & Environmental Research Center to practice all inventions under the Patent Rights and Know How (as defined in the License Agreement) for research and development purposes.

6. Licensor hereby acknowledges that the Company, and any lawful successor and assigns, hereby has succeeded to all of the Licensor's right, title and standing to receive all rights and benefits pertaining to the Patent Rights, institute and prosecute all suits and proceedings, and take all actions that the Company, and any lawful successor and assigns, in its sole discretion, may deem necessary or proper to collect, assert, or enforce any claim, right or title of any kind under any and all of the Patent Rights, whether arising before or after the execution of the Assignment, defend and compromise any and all such actions, suits or proceedings relating to such transferred and assigned rights, title, interest and benefits and do all other such acts and things in relation thereto as the Company, and any lawful successor and assigns, in its sole discretion, deems advisable.

7. The Company acknowledges that the U.S. federal government retains a nontransferable, royalty-free, nonexclusive right to practice any government-funded inventions claimed on any Patent Rights as set forth in 35 U.S.C. § 200-211, and the regulations promulgated thereunder, as amended, or any successor statutes or regulations.

8. Each of ME_2C and MES represents and warrants that (i) it is a corporation validly existing and in good standing in its respective jurisdiction of incorporation; (ii) execution of this Closing Agreement and the consummation of the transactions contemplated herein shall not (a) be forbidden or result in a breach of the articles of incorporation, bylaws, or other governing documents of either ME_2C or MES, or (b) give rise to a breach or an event of default under any instrument or certificate to which either ME_2C or MES is party, or (c) cause or result in the acceleration of any debt owed by either ME_2C or MES; (iii) it has the requisite power and authority to enter into and perform its obligations under this Closing Agreement and the consummation of the transactions contemplated herein, and, in the case of ME_2C, to issue the shares of common stock set forth herein in accordance with the terms hereof; (iv) each of the transactions (including issuance of the shares herein) has been authorized by all necessary and appropriate corporate action on the part of ME_2C or MES, as the case may be; (v) each person executing this Closing Agreement has, and will have in connection with the execution of the Recipient Agreement, on behalf of ME_2C or MES, as the case may be, all necessary power and authority to do so, and by so doing, shall bind its respective principal; and (vi) upon issuance, the shares to be issued hereunder shall be authorized, fully paid, and non-assessable and upon issue shall be validly issued and free of all taxes and encumbrances thereon, except with respect to each recipient's own tax liability that may arise as a result of the issuance of the shares hereunder.

9. From and after the date hereof, the Company shall indemnify, defend and hold harmless Licensor and its officers, employees and agents, and their respective successors, heirs and assigns (the "Indemnitees"), against any liability, damage, loss or expense (including reasonable attorney fees and expenses) incurred by or imposed upon any of the Indemnitees in connection with any claim, counter- or cross- third-party claims, suits, actions, demands or judgments arising out of any theory of liability (including within limitation actions in the form of tort, warranty or strict liability) concerning any manufacture, sale, service or lease of product or process by the Company under any of the Patent Rights, or in connection with any third party infringement claim brought by the Company.

10. Each of the parties agrees to perform any and all acts and execute and deliver such other documents as may be necessary and proper under the circumstances in order to accomplish the intents and purposes of the transactions contemplated by this Closing Agreement and the Assignment.

11. This Closing Agreement may be executed in counterparts, each of which shall be deemed an original, and all of which together shall constitute a single agreement. The counterparts may be delivered by facsimile transmission or by electronic mail in portable document format (.pdf).

12. Upon execution and delivery of the Assignment pursuant to the provisions hereof, the License Agreement shall be deemed terminated and of no further effect and neither party hereto shall have any further obligations to the other except for the obligations set forth herein and in Articles 13 and 14 and Sections 2.3, 2.5, 11.1 and 11.2 of the License Agreement. Notwithstanding the foregoing, all representations, warranties, covenants and agreements made by each of the parties hereto in this Closing Agreement and in Article 1 of the License Agreement shall survive the Closing Date.

13. This Closing Agreement, the Assignment, the License Agreement and the Exercise Letter supersede all other prior oral or written agreements between the parties with respect to the matters discussed herein and therein, and this Closing Agreement, the Assignment, the License Agreement and the Exercise Letter contain the entire understanding of the parties with respect to the matters covered herein and therein. This Closing Agreement may not be changed orally, but only by an agreement in writing signed by the party against whom enforcement of any change, modification, extension or discharge is sought.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement effective as of the Closing Date.

MIDWEST ENERGY EMISSIONS CORP.
AND MES, INC.

By: */s/ Richard H. Gross*
Name: Richard H. Gross
Title: Chief Financial Officer

ENERGY &
ENVIRONMENTAL RESEARCH CENTER
FOUNDATION

By: */s/ Ron Ness*
Name: Ron Ness
Title: President

Exhibit 1
Assignment

Exhibit 2
Form of Recipient Agreement

Undersigned is to be a recipient of shares of common stock of Midwest Energy Emissions Corp. ("ME2C") pursuant to the Closing Agreement by and between Energy & Environment Research Center Foundation, a North Dakota nonprofit entity ("EERCF"), and the Company (as defined therein).

The Closing Agreement (the "Amendment") was finalized effective as of April 21, 2017.

I. To facilitate the receipt of the shares of common stock of ME2C (the "ME2C Stock") by Undersigned pursuant to and as set out in the Closing Agreement, Undersigned represents and warrants to ME2C as follows:

(a) Undersigned is capable of evaluating the merits and risks of ownership of ME2C Stock and has the capacity to protect Undersigned's financial interests.

(b) Undersigned understands that the ME2C Stock being issued pursuant to the Closing Agreement has not been, and will not be, registered under the Securities Act of 1933 (the "Act") or the securities laws of any country, state or other jurisdiction by reason of a specific exemption from the registration provisions of the Act and other applicable securities laws, the availability of which depends upon, among other things, the bona fide nature of the investment intent and the accuracy of Undersigned's representations as expressed herein.

(c) Undersigned acknowledges and understands that the ME2C Stock being acquired by the Undersigned pursuant to the Closing Agreement is being acquired for investment purposes and not with a view to distribution or resale, nor with the intention of selling, transferring or otherwise disposing of all or any part of the ME2C Stock, except selling, transferring, or disposing of the ME2C Stock made in full compliance with all applicable provisions of the Act, the rules and regulations promulgated by the Securities and Exchange Commission thereunder, applicable state securities laws; and that the ME2C Stock is not a liquid investment. ME2C has no obligation to register the ME2C Stock for resale in any jurisdiction nor has it made any representations, warranties, or covenants regarding the registration of the ME2C Stock or any other exemption under the Act.

(d) Undersigned acknowledges that the ME2C Stock must be held indefinitely unless subsequently registered under the Act or unless an exemption from such registration is available. Undersigned is aware of the provisions of Rule 144 promulgated under the Act ("Rule 144"), which permit investors who have satisfied a certain holding period to resell under certain conditions such securities.

(e) Undersigned recognizes that no U.S. federal, state or foreign agency has recommended or endorsed the issuance or ownership of the ME2C Stock.

(f) Undersigned is aware that the ME2C Stock is and will be, when issued, "restricted securities" as that term is defined in Rule 144.

(g) Undersigned understands that any and all certificates representing the ME2C Stock and any and all securities issued in replacement thereof or in exchange therefor shall bear the following legend or one substantially similar thereto, which Undersigned has read and understands:

> "The securities represented by this certificate have not been registered under the Securities Act of 1933. The securities have been acquired for investment and may not be sold, transferred or assigned in the absence of an effective registration statement for these securities under the Securities Act of 1933 or an opinion of ME2C's counsel that registration is not required under said Act."

(h) Undersigned acknowledges that Undersigned has such knowledge and experience in financial and business matters that Undersigned is capable of evaluating the merits and risks of an investment in the ME2C Stock.

(i) Undersigned represents that Undersigned has not received any general solicitation or general advertising regarding the issuance of the ME2C Stock.

(j) Undersigned further represents that the U.S. social security number or U.S. taxpayer identification set forth below is correct.

II. Covenants of ME2C

(a) ME2C shall raise no objection to the transfer of the ME2C Stock and shall remove and direct its transfer agent to remove any restrictive legend placed upon the ME2C Stock as soon as practicable following the receipt by ME2C of an opinion of counsel stating that such legend is not required under applicable requirements of the Act. The Undersigned shall provide ME2C with a customary Rule 144 certification necessary for ME2C to satisfy the foregoing requirement.

(b) ME2C shall cooperate with counsel to Undersigned in preparing the opinion referenced in Item II (a) above and shall cooperate with counsel, any broker or market maker in otherwise enabling Undersigned to confirm that Undersigned has satisfied the conditions required for resale of the ME2C Stock under Rule 144.

(c) ME2C covenants to file timely all reports required to be filed by ME2C under the Sections 13 or 15(d) (as applicable) of the Securities Exchange Act of 1934 and the rules promulgated thereunder.

III. General. Each of ME2C and the Undersigned shall be responsible for its own costs, fees and expenses, including fees of the counsel of its choice, in performing the transactions contemplated herein.

[signature page follows]

IN WITNESS WHEREOF, the parties hereto have executed this Recipient Agreement as of the dates indicated below.

The Undersigned:

____
Print Name

____
Signature and Title (if applicable)

____
Number of Shares

____
Soc. Sec. or Tax ID No.

____
Address

____
Date

The Company:

MIDWEST ENERGY EMISSIONS CORP.

By: ____________________________
Name: __________________________
Title: ___________________________

____
Date

ASSIGNMENT

THIS ASSIGNMENT is made and effective as of April 24, 2017 by and between the ENERGY AND ENVIRONMENTAL RESEARCH CENTER FOUNDATION ("**EERC Foundation**"), a non-profit corporation organized under the laws of the State of North Dakota, having its principal place of business at 15 North 23rd Street, Stop 9018, Grand Forks, North Dakota 58202, and MIDWEST ENERGY EMISSIONS CORP., a Delaware corporation ("**ME_2C**"), having its principal place of business at 670 D Enterprise Drive, Lewis Center, Ohio 43035.

WHEREAS, EERC Foundation owns by ASSIGNMENT from the named inventors recorded in the United States Patent and Trademark Office, the right, title, and interest in the patents and patent applications listed in **Appendix A** attached hereto; and

WHEREAS, ME_2C desires to own EERC Foundation's entire right, title, and interest in and to the patents and patent applications listed in **Appendix A**.

NOW THEREFORE, be it known that, for good and valuable consideration, receipt of which is hereby acknowledged, the EERC Foundation hereby sells, assigns, transfers and sets over to ME_2C, its lawful successors and assigns, all rights, titles, interests, and accrued causes of action for damages for infringement of, all patents, patent applications, all divisions, substitutions, continuations, continuations-in-part, reissues, reexaminations, and extensions thereof, together with all foreign counterparts thereof and patents issuing thereon derived from or claiming priority of the United States provisional patent application or other provisional patent application filed for an issued patent or patent application as set forth in **Appendix A**;

AND, EERC Foundation hereby represents, warrants and agrees that EERC Foundation has the full right to convey the interests assigned by this ASSIGNMENT, and has obtained the approval from the U.S. Department of Energy and from the U.S. Environmental Protection Agency necessary to transfer the interests assigned hereby to ME_2C;

AND, this ASSIGNMENT may be executed in counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.

IN WITNESS WHEREOF, each party has caused its authorized representative to execute this ASSIGNMENT, effective as of the date indicated above.

Energy and Environmental Research Center Foundation	**Midwest Energy Emissions Corp.**
By: */s/ Ron Ness*	By: */s/ Richard H. Gross*
Name Ron Ness	Name Richard H. Gross
Title President	Title Chief Financial Officer

ACKNOWLEDGMENT

State of North Dakota	)
	) ss:
County of Burleigh	)

On the 24th day of April, 2017, before me, the undersigned, personally appeared Ron Ness, personally known to me or proved to me on the basis of satisfactory evidence to be the person who executed this instrument on behalf of Energy and Environmental Research Center Foundation, and acknowledged that he executed it in such representative capacity.

/s/ Kay A. Roth
Notary Public

ACKNOWLEDGMENT

State of Ohio	)
	) ss:
County of Delaware	)

On the 19 day of May, 2017, before me, the undersigned, personally appeared Richard H. Gross, personally known to me or proved to me on the basis of satisfactory evidence to be the person who executed this instrument on behalf of Midwest Energy Emissions Corp., and acknowledged that he executed it in such representative capacity.

/s/ Geraldine A. Craig
Notary Public

APPENDIX A
PATENTS AND PATENT APPLICATIONS

<u>Issued Patents</u>

U.S. Patents

· U.S. Patent 7,435,286 – Sorbents for the Oxidation and Removal of Mercury (05-001)
· U.S. Patent 8,173,566 – Process for Regenerating a Spent Sorbent (PAC Regen) (03-023)
· U.S. Patent 8,168,147 – Sorbents for the Oxidation and Removal of Mercury (09-012)
· U.S. Patent 8,312,822 – Mercury Control Using Moderate-Temperature Dissociation of Halogen Compounds (06-001)
· U.S. Patent 8,440,585 – Process for Regenerating a Spent Sorbent (03-023US1 CONT)
· U.S. Patent 7,615,101 – High Energy Dissociation for Mercury Control Systems (05-015)
· U.S. Patent 7,628,969 – Multifunctional Abatement of Air Pollutants in Flue Gas (09006CIP of 05-015)
· U.S. Patent 8,807,056 – Mercury Control Using Moderate-Temperature Dissociation of Halogen Compounds (06-001CONT)
· U.S. Patent 8,512,655 – Sorbents for the Oxidation and Removal of Mercury (09-012CONT1)
· U.S. Patent 8,652,235 – Sorbents for the Oxidation and Removal of Mercury (09-013CIP)
· U.S. Patent 8,821,819 – Sorbents for the Oxidation and Removal of Mercury (09-012CONT2)
· U.S. Patent 9,011,805 – Carbon Nanocomposite Sorbent and Methods of Using the Same for Separation of One or More Materials from a Gas Stream (12-001)
· U.S. Patent 9,155,997 – Mercury Control Using Moderate-Temperature Dissociation of Halogen Compounds (06-001CONT2)
· U.S. Patent 9,468,886- Sorbents for the Oxidation and Removal of Mercury (09-013CIP CONT1)

Foreign Patents

· Canada Patent 2,523,132 – Process for Regenerating a Spent Sorbent (03-023)
· Canada Patent 2,584,327 – Sorbents for the Oxidation and Removal of Mercury (05-001)
· Canadian Patent 2,757,309 Sorbents for the Oxidation and Removal of Mercury (09-013)
· China Patent ZL200580037037.0 (Certificate No. 635764) – Sorbents and Flue Gas Additives for the Oxidation and Removal of Mercury (05-001)
· Europe Patent 1 796 816 – Sorbents for the Oxidation and Removal of Mercury (05-001EP)
· Europe Divisional No. 2 431 087 – Removal of Mercury from Flue Gas (05-001EU Div1)
  ® Validating the patent application in Germany for issuance of patent
  ® Validating the patent application in the Netherlands for issuance of patent
  ® Validating the patent application in the United Kingdom for issuance of patent

- Europe Patent 2 429 685 – Sorbents for the Oxidation and Removal of Mercury (09013EP)
  - ® Validating the patent application in Germany for issuance of patent
  - ® Validating the patent application in the Netherlands for issuance of patent
  - ® Validating the patent application in the United Kingdom for issuance of patent 200480017704.4
- China Patent ZL200680041485.2 – High-Energy Dissociation for Mercury Control Systems (05-015CN)
- Europe Patent 1 931 449 – High-Energy Dissociation for Mercury Control Systems (05015EP)
  - ® Validating the patent application in Germany for issuance of patent
  - ® Validating the patent application in the Netherlands for issuance of patent
  - ® Validating the patent application in the United Kingdom for issuance of patent
- China Patent ZL201080017698.8 Process for Regenerating a Spent Sorbent (PAC Regen) (09-013CN)
- China Patent ZL200480017704.4 Process for Regenerating a Spent Sorbent (PAC Regen) (03-023CN)

<u>Pending Patent Applications</u>

U.S. Patents
- Activated Carbon Sorbent Including Nitrogen and Methods of Using the Same – Application Serial No. 14/195,360 (13-004)
- Sorbents for the Oxidation and Removal of Mercury – Application Serial No. 14/318,270 (09-012CONT3)
- Sorbents for the Oxidation and Removal of Mercury – Application Serial No. 15/295,594 (09-013CONT2)
- Carbon Nanocomposite Sorbent and Methods of Using the Same for Separation of One or More Materials from a Gas Stream – Application Serial No. 14/564,860 (12-001Cont)
- Sorbents for the Oxidation and Removal of Mercury – Application Serial No. 14/712,558 (09-012CONT4)
- Mercury Control Using Moderate-Temperature Dissociation of Halogen Compounds – Application Serial No. 14/880,463 (06-001CONT3)
- Promoted Ammonium Salt-Protected Activated Carbon Sorbent Particles For Removal of Mercury From Gas Streams-Application Serial No. 15/382,114 (13-004 CIP)
- Sorbent Comprising Carbon and Nitrogen and Methods of Using the Same—Application Serial No. 15/449,112 (13-004 CIP2)
- Carbon Nanocomposite Sorbent and Methods of Using the Same for Separation of One or More Materials from a Gas Stream – Application Serial No. 15/452,527 (12-001Cont2)

Foreign Patents

- Process for Regenerating a Spent Sorbent (PAC Regen) (03-023)
  - Application pending in European Patent Office – Application Serial No. 04750664.7
- Sorbents and Flue Gas Additives for the Oxidation and Removal of Mercury (05-001)
- Note: A different divisional – Application Serial No. 11 189 249.3 – was abandoned as unpatentable over prior art
- Carbon Nanocomposite Sorbent and Methods of Using the Same for Separation of One or More Materials from a Gas Stream (12-001PCT)
  - Application pending in Europe
  - Application pending in China
  - Application pending in Canada
- Activated Carbon Sorbent Including Nitrogen and Methods of Using the Same (13-004PCT)
  - Application pending in Canada
  - Application pending in China
  - Application pending in Europe

<u>Provisional Patent Applications</u>

U.S. Patents

- Sorbents for the Oxidation and Removal of Mercury – U.S. Provisional Patent Application Serial No. 60/605,640 (05-001PRV)
- Process for Regenerating a Spent Sorbent – U.S. Provisional Patent Application Serial No. 60/464,868 (03-023PRV)
- Mercury Control Using Moderate-Temperature Dissociation of Halogen Compounds –
- U.S. Provisional Patent Application Serial No. 60/947,543 (06-001PRV)
- Activated Carbon Sorbent Including Nitrogen and Methods of Using the Same – Application Serial Number 61/773,549 (13-004PRV)

EXHIBIT 31.1

CERTIFICATION

I, Richard MacPherson, certify that:

1. I have reviewed this quarterly report on Form 10-Q of Midwest Energy Emissions Corp.;

2. Based on my knowledge, this report does not contain any untrue statements of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4. The registrant's other certifying officers and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:

   (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

   (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

   (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation;

   (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonable likely to materially affect, the registrant's internal control over financial reporting; and

5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

   (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

   (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Dated: August 21, 2017

By: */s/ Richard MacPherson*
Richard MacPherson
President and Chief Executive Officer
(Principal Executive Officer)

EXHIBIT 31.2

CERTIFICATION

I, Richard H. Gross, certify that:

1. I have reviewed this quarterly report on Form 10-Q of Midwest Energy Emissions Corp.;

2. Based on my knowledge, this report does not contain any untrue statements of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4. The registrant's other certifying officers and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:

   (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

   (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

   (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation;

   (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonable likely to materially affect, the registrant's internal control over financial reporting; and

5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

   (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

   (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Dated: August 21, 2017

By: */s/ Richard H. Gross*
Richard H. Gross
Chief Financial Officer
(Principal Financial Officer)

EXHIBIT 32.1

CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE
SARBANES-OXLEY ACT OF 2002

In connection with the Quarterly Report of Midwest Energy Emissions Corp. (the "Company") on Form 10-Q for the period ended June 30, 2017, as filed with the Securities and Exchange Commission (the "Report"), the undersigned certifies, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, to the best of the undersigned's knowledge, that:

(1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Dated: August 21, 2017

By: */s/ Richard MacPherson*
Richard MacPherson
President and Chief Executive Officer
(Principal Executive Officer)

EXHIBIT 32.2

**CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE
SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report of Midwest Energy Emissions Corp. (the "Company") on Form 10-Q for the period ended June 30, 2017, as filed with the Securities and Exchange Commission (the "Report"), the undersigned certifies, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, to the best of the undersigned's knowledge, that:

(1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Dated: August 21, 2017

By: */s/ Richard H. Gross*
Richard H. Gross
Chief Financial Officer
(Principal Financial Officer)