

**FIRST HELIUM INC.**  
MANAGEMENT DISCUSSION AND ANALYSIS  
For the year ended March 31, 2022

---

## INTRODUCTION

This management discussion and analysis ("**MD&A**") of financial condition and results of operations focuses upon the activities, results of operations, liquidity and capital resources of First Helium Inc. (the "**Company**" or "**First Helium**") for the year ended March 31, 2022. In order to better understand the MD&A, it should be read in conjunction with the audited financial statements for the year ended March 31, 2022 and 2021.

The Company's financial statements are prepared in accordance with International Financial Reporting Standards ("**IFRS**") and filed with appropriate regulatory authorities in Canada. Except as otherwise disclosed, all dollar figures included therein and in this MD&A are quoted in Canadian dollars, unless otherwise stated.

The Company was not a reporting issuer until the period subsequent to December 31, 2020 and was not required to prepare interim financial statements. Therefore, quarterly results prior to December 31, 2020 are not available.

This MD&A is current to July 28, 2022.

## FORWARD LOOKING STATEMENTS

Information set forth in this MD&A may involve forward-looking statements under applicable securities laws. Forward-looking statements are statements that relate to future, not past, events. In this context, forward-looking statements often address expected future business and financial performance, and often contain words such as "anticipate", "believe", "plan", "estimate", "expect", and "intend", statements that an action or event "may", "might", "could", "should", or "will" be taken or occur, or other similar expressions. All statements, other than statements of historical fact, included herein including, without limitation, statements about the size and timing of future exploration on and the development of the Company's properties are forward-looking statements. By their nature, forward-looking statements involve known and unknown risks, uncertainties and other factors which may cause the Company's actual results, performance or achievements, or other future events, to be materially different from any future results, performance or achievements expressed or implied by such forward-looking statements. Such factors include, among others, the following risks: the need for additional financing; operational risks associated with helium exploration; fluctuations in commodity prices; title matters; environmental liability claims and insurance; reliance on key personnel; the volatility of the Common Shares (as defined herein) price and volume and other reports and filings with the applicable Canadian securities regulations. Forward-looking statements are made based on management's beliefs, estimates and opinions on the date that statements are made and the Company undertakes no obligation to update forward-looking statements if these beliefs, estimates and opinions or other circumstances should change, except as required by applicable securities laws. There can be no assurance that such statements will prove to be accurate, and future events and actual results could differ materially from those anticipated in such statements. Important factors that could cause actual results to differ materially from the Company's expectations are disclosed in the Company's documents filed from time to time via the Company's website along with the Canadian regulatory agencies to whose policies the Company is bound. Investors are cautioned against attributing undue certainty to forward-looking statements.

This MD&A has been prepared in accordance with the requirements of National Instrument 51-102 – *Continuous Disclosure Obligations*.

**FIRST HELIUM INC.**  
**MANAGEMENT DISCUSSION AND ANALYSIS**  
For the year ended March 31, 2022

---

## **OVERVIEW**

First Helium is a helium, petroleum and natural gas exploration and development company incorporated under the laws of the Province of British Columbia on May 10, 2016. The Company's principal office is located at Suite 550, 800 West Pender Street, Vancouver, BC, V6C 2V6.

The Company's principal activity is the acquisition, exploration and development of helium, petroleum and natural gas property interests in Alberta, Canada.

On July 12, 2021, the Company began trading on the TSXV Exchange under the symbol HELI.

## **HIGHLIGHTS DURING AND SUBSEQUENT TO THE YEAR ENDED MARCH 31, 2022**

### **Exploration**

On May 19, 2021, the Company acquired an additional 1,216 hectares of land located on the Worsley Trend at a Crown land sale.

On August 18, 2021, the Company announced that it had completed its assessment of the 8,064 hectares of strategic lands surrounding its discovery well at Worsley Well and had identified three offsetting drill locations on its Worsley Property.

On August 24, 2021, the Company announced that it had completed a preliminary engineering study of the infrastructure requirements to bring its Worsley discovery well into production. The study also provides the Company with a range of modular and operationally flexible processing designs to bring the Worsley Well, along with future expansion wells, on-stream.

On October 20, 2021, the Company announced that it had received the required licensing from the Alberta Energy Regulator to begin drilling its first exploratory well on its core Worsley Property.

On October 28, 2021, the Company announced that it had made significant progress in evaluating approximately 880,000 acres of prospective helium lands currently held under a seismic review and option agreement with a large landholder in southern Alberta. It announced that in the fourth quarter of 2021, a minimum 125,000 acres, all with significant 2D and 3D seismic data coverage, will be continued under the terms of the Option Agreement for a further, more detailed seismic evaluation in anticipation of drilling.

On November 8, 2021, the Company announce that it had commenced drilling its first exploratory well (1-30) on its core Worsley Property.

On November 15, 2021, the Company announced that it had closed on two separate transactions with private, third-party companies to acquire an aggregate of 40 kilometers of natural gas gathering pipeline assets. The acquisition was made for total consideration of \$25,000 in cash and the assumption of future abandonment and reclamation liabilities of up to \$200,000.

On November 29, 2021, the Company announced that it had completed its evaluation of approximately 880,000 acres of prospective helium lands in Southern Alberta and elected to continue on over 276,000 acres of land, which includes over 167,000 acres of corresponding 3D seismic and 512 kilometers of 2D seismic, for a further period of two years. The Company exercised its option pursuant to a seismic review and option agreement with a large landholder for total consideration of \$661,000, or approximately \$2.39 per acre.

On December 7, 2021, the Company announced its 1-30 light oil discovery at Worsley property. Upon completion, the 1-30 flowed 419 barrels per day of 35-degree API light oil from the Leduc Formation over a test period of 72 hours on a minimal drawdown.

On December 16, 2021, the Company announced that it had acquired an aggregate of six kilometers of strategic natural gas gathering pipeline assets (the "Pipeline Assets") at Worsley. The Pipeline Assets are interconnected to and expand the capacity of the infrastructure acquired in mid-November along the Worsley trend. The Acquisition also includes 2,112 acres (net) of land and four wells, one of which is being evaluated for re-activation for possible natural gas production. In addition, the

**FIRST HELIUM INC.**  
**MANAGEMENT DISCUSSION AND ANALYSIS**  
For the year ended March 31, 2022

---

Company also announced that it had conducted an additional flow-test on its original 15-25 well, acquired representative raw gas samples, and submitted them for comprehensive independent expert gas and isotope analyses.

On January 11, 2022, the Company announced that it had delivered for sale over 1,100 barrels of light crude oil, realizing over \$90,000 in sales revenue.

On January 26, 2022, the Company announced that it had received its license from the Alberta Energy Regulator to drill its second exploration well, the “4-29”, which is located on the Company’s 100% owned, 79,000-acre Worsley landholdings in Northern Alberta, Canada.

On February 1, 2022, the Company announced that it had completed the construction of 1-30 oil battery ahead of schedule and commenced oil production on January 23, 2022. The well had delivered an average production rate of 435 barrels per day over its first eight days of operation.

On February 15, 2022, the Company announced that it had commenced drilling its second exploration well, the “4-29” target.

On March 2, 2022, the Company provided an update to its 1-30 oil well production, from its successful 1-30 discovery well with first month’s average daily production of approximately 430 barrels per day of light oil and was brought on-stream on January 23, 2022. The Company had received revenues of approximately \$280,000 for January oil production deliveries

On March 23, 2022, the Company announced its second exploration well, 4-29 light oil discovery at Worsley property. Upon completion, the 4-29 flowed 467 barrels per day of ~35 -degree API light oil from the Leduc Formation, representing an oil cut of 67% over a test period of 48 hours on a minimal drawdown.

On May 4, 2022, the Company announced that it had brought the 4-29 light oil well into production on April 8, 2022. During the month, the Company produced the well at an average daily rate of 144 barrels per day of 36 degree light oil, with an average oil cut of 50%.

On May 17, 2022, the Company announced that it planned to drill two prospective helium targets commencing late June 2022 at its 100% owned, 79,000 acre Worsley Property in Alberta, Canada. The wells will target potential natural gas accumulations which are expected to contain commercial quantities of helium gas along with natural gas. Based on associated historic oil & gas drilling and operating data, helium content ranges from 0.5% to 1.9% across the Company’s Worsley Property.

### **Corporate and Financing**

On May 27, 2021, the Company granted 5,800,000 incentive stock options to certain directors, officers and consultants of the Company. The exercise price of the options is \$0.35 per share and the expiry date is five years from the date of grant. Optioned shares will vest with 25% released on the grant date and 25% vesting every year for the next three years.

On May 27, 2021, the Company granted 250,000 incentive stock options to certain consultants of the Company. The exercise price of the options is \$0.35 per share and the expiry date is three years from the date of grant. The options will vest equally over 18 months.

On July 5, 2021, Convertible Debentures with a principal balance of \$2,800,000 and interest payable of \$78,546 were converted into 9,595,152 common shares of the Company at a price of \$0.30 per share. The common shares were issued pursuant to the automatic conversion of convertible debentures issued by the Company pursuant to a non-brokered private placement of convertible debentures completed on March 2, 2021 at a deemed conversion price of \$0.30 per convertible debenture plus accrued interest. In addition, 9,595,152 warrants were also issued exercisable at a price of \$0.50 per common share and will expire on July 5, 2023.

On July 8, 2021, the Company completed the conversion of March 15, 2021 non-brokered subscription receipts and March 18, 2021 brokered subscription receipts by issuing 26,228,286 common shares and 13,114,138 warrants to convert the \$1,700,020 non-brokered subscription receipts and \$7,479,880 brokered subscription receipts. The 13,114,138 warrants are exercisable at a price of \$0.50 per common share and will expire on July 8, 2023. In addition, the Company recognized \$1,819,304 in share issuance cost in relation to this financing.

**FIRST HELIUM INC.**  
**MANAGEMENT DISCUSSION AND ANALYSIS**  
For the year ended March 31, 2022

---

On July 8, 2021, the Company issued 214,285 common shares to a consultant for services rendered.

On July 12, 2021, the Company began trading on the TSXV Exchange under the symbol HELI.

On January 31, 2022, the Company granted 100,000 stock options to a consultant with an exercise price of \$0.35 per share expiring on May 27, 2026. Optioned shares will vest with 25% released on the grant date and 25% vesting every year for the next three years starting May 27, 2022.

On January 19, 2022, the Company provided a summary highlighting the Company's achievements during the past year and planned initiatives for the next 12 months. Key activities planned for 2022 includes (a) bringing the 1-30 well into full production in early February to provide significant, recurring cash flow beginning in mid-Q1 2022, (b) drilling several new exploration well locations on the Worsley Trend, including helium gas horizons with potential light oil accumulation, (c) preparing to drill its first helium exploration well on the Southern Alberta Helium Fairway prior to year-end, (d) commissioning an NI 51-101 compliant independent reserve report for 1-30, including a net present value of estimated oil reserves, (e) continuing to add strategic assets to advance its business plan, and (f) completing arrangements for the helium gas processing facility at Worsley.

On March 29, 2022, the Company announced a significant positive change to the Company's balance sheet based on ongoing payments from light oil production and cash proceeds from the exercise of previously issued warrants. The Company received \$1.25 million for February 1-30 oil production and \$1.85 million in warrants exercises. Also, The Company's common shares began trading in the U.S.; its listing was upgraded to the OTCQB on March 14, 2022, under ticker "FHELF".

On April 27, 2022, the Company received cash proceeds of approximately \$1,732,923 for March light oil production from the 1-30 well. The Company also announced that it had become DTC eligible in the U.S. which should expand market access for its U.S. investors.

On May 25, 2022, the Company received \$1,227,200 for light oil volumes that the Company delivered for sale during the month of April. Cash flow from the light oil sales would continue to be deployed to help fund the Company's ongoing helium exploration and development activities at its 100% owned Worsley Property, and the Southern Alberta (Lethbridge) Lands.

During the year ended March 31, 2022, 5,893,103 shares were issued upon exercise of warrants for proceeds of \$2,767,034. In connection with the issuance, a total of \$225,079 was reallocated from reserves to share capital.

Subsequent to the year ended March 31, 2022, 3,325,380 shares were issued upon exercise of warrants for proceeds of \$1,609,333.

**FIRST HELIUM INC.**  
MANAGEMENT DISCUSSION AND ANALYSIS  
For the year ended March 31, 2022

---

## **PROPERTIES, CLAIMS AND EXPLORATION PROGRAMS**

### Worsley Trend and Worsley Property

The Company's Worsley Property and other Worsley Trend assets are located in the Worsley Trend in Northern Alberta, Canada. The Worsley Trend lies along the northern flank of the geological structure called the Peace River Arch ("PRA"). There are numerous clastic and carbonate formations with structural, stratigraphic and hydrodynamic traps along the flanks of the PRA. Gas analyses in various wells performed over the decades have established economic helium concentrations in the vicinity of the PRA and most notably along the Worsley Trend. Wells along the Worsley Trend have historically produced significant amounts of helium along with the targeted hydrocarbons, however the helium was not recovered during production.

Subsequent to the testing and acquisition of the 15-25-87-3 W6 gas well ("Worsley Well"), the Company acquired a 100% interest in additional hectares at the Alberta Crown P&NG auctions, including 3,163 acres in July and October 2021. In total, the Company now holds 84,040 acres of Alberta P&NG rights in the general Peace River arch area.

The Company continued detailed evaluation of the various productive formations along the Worsley Trend to target specific holdings for additional technical work and to identify prospective acquisition candidates. An existing 3D seismic program in the area around the Worsley Well and adjoining sections was acquired and reinterpreted. The Company also completed an additional 3D seismic program offsetting the Worsley Well. This interpretation and evaluation allowed the Company to select a drilling location at 1-30-87-2 W6 ("1-30") on the Worsley Property, acquired the surface location and regulatory licensing and drilled the well in November 2021. The well was completed, and flow tested 419 barrels per day of 35-degree API light oil from the Leduc Formation over a test period of 72 hours on a minimal drawdown. Commencing in late December 2021, a production facility was constructed and 1-30 was brought into production in January 2022 at a daily production rate of approximately 400 barrels per day. The successful drilling and significant oil production realized from the 1-30 well has enhanced the Company's confidence in its geological and geophysical modeling for the Leduc Formation. The Company has identified an additional 5 drill locations within the acquired 3D seismic program. The first of these locations drilled was the 4-29-87-2W6 ("4-29") in March of 2022. This well was drilled on a separate structure from the 1-30 and resulted in another successful oil well. 4-29 was brought on production in April 2022 at a rate of 144 barrels of oil per day. The second of these wells is proposed to be drilled in July/August of 2022. The remaining locations have been prioritized and will be drilled as management sees fit.

In addition to exploration and development on the Worsley Property, the company has been aggressively exploring its holdings along the Worsley Trend. In August of 2021 and April 2022, the Company purchased a total of approximately 180 km of trade 2D seismic over a portion of its eastern most holdings on the Worsley Trend. This seismic has been evaluated and is being used to guide further land acquisition, 3D seismic positioning, and drilling.

In September of 2021 the Company purchased a trade 3D seismic program over holdings to the west of the Worsley Property to support geological mapping which had identified a drilling prospect. The location at 14-23-87-5W6 has now been licenced and it is expected that the well will be spudded in mid July 2022.

In addition to the ongoing geological formation evaluation and drilling operations, the Company has acquired an extensive pipeline system in the Worsley area. Three separate transactions resulted in the acquisition of 100% working interest in 40 kilometers of pipelines. The lines are designed for gathering natural gas either containing helium for transport to a central helium extraction facility, or to transport natural gas that has had the helium extracted. This gives the Company flexibility to locate a central facility at various locations along the pipeline system. The acquisition also included 1,920 acres (1,690 acres net) of land and 2 suspended wells, one of which is being evaluated for re-activation based on 0.83% of helium content in historical testing. Both wells are tied into and have previously produced gas into the newly acquired pipeline system. Engineering design evaluation of a central helium extraction facility continues to progress and will continue to evolve as drilling results are achieved.

### Warner-Jenson Property

On May 26, 2021, the Company entered into a Seismic Review and Option Agreement with a large land holder in southern Alberta. The agreement granted the Company exclusive access to 882,710 acres of helium rights, 932 square kilometers of 3D seismic and 500 kilometers of 2D seismic. Under the terms of the agreement, the Company had six months to evaluate the

**FIRST HELIUM INC.**  
MANAGEMENT DISCUSSION AND ANALYSIS  
For the year ended March 31, 2022

holdings with the objective of extending certain lands for an additional period under further option. On November 26, 2021, the Company elected to extend 276,842 acres of land for a further 2 years under pre negotiated terms.

The ongoing geological and geophysical evaluation has resulted in the identification of several drill locations on the Warner-Jenson Property. One location has been finalized and is proposed to be drilled later in this fiscal year. An additional 4 locations are in various stages of development and will be confirmed in the near future. The exploration model for the Warner-Jenson Property is based on Thor Resources' Knappen property which has produced approximately 35,000 mcf of helium from April 2020 to the end of May 2022. Helium production is from porous and permeable dolomites draped over a pre-existing Precambrian high. The Knappen property sits approximately 60 km east of the Company's first proposed location on the Warner-Jenson Property.

### SELECTED ANNUAL FINANCIAL INFORMATION

The following table summarizes selected financial data reported by the Company for the years ended March 31, 2022, 2021 and 2020. The information set forth should be read in conjunction with the consolidated audited financial statements, prepared in accordance with IFRS and the related notes thereon.

	<b>F2022</b>	<b>F2021</b>	<b>F2020</b>
Revenues	\$ 3,568,808	\$ Nil	\$ Nil
Net income (loss)	\$ (465,838)	\$ (523,676)	\$ (560,296)
Earnings (loss) per Common Share	\$ (0.01)	\$ (0.03)	\$ (0.06)
Total assets	\$ 20,310,579	\$ 15,789,410	\$ 2,155,241
Total liabilities	\$ 3,554,317	\$ 3,886,104	\$ 1,491,761

During the fiscal year ended March 31, 2021, the Company undertook a 20.7 square km proprietary 3D seismic program. In addition, the Company acquired 64 hectares of land at a crown land sale November 2020.

During the fiscal year ended March 31, 2020, the Company added to its management team and further advanced the development of its Worsley Property.

During the fiscal year ended March 31, 2019, the Company participated in Alberta Crown land auctions and successfully acquired a 100% interest in additional P&NG rights along the Worsley geological trend, located in Alberta, Canada.

### DISCUSSION OF FINANCIAL AND OPERATING RESULTS

#### For the three months ended March 31, 2022 and 2021

During the three months ended March 31, 2022, the Company reported net income of \$1,699,395 (2021 – net loss of \$180,583). The primary contributors to the income were from revenues earned, partly offset by cost and expenses incurred:

- Revenue from petroleum and natural gas sales of \$3,568,808 (2021 – \$nil) coming from the production of 1-30 and 4-29 oil wells.
- Recognition of direct costs of \$1,014,900 (2021 – \$nil) mainly due to the Company successfully drilled and completed and brought into production of 1-30 oil well and 4-29 oil well which incurred the related accretion expense, depletion expense, royalty expense and other operating costs to the drillings and productions.
- Accounting and compliance were \$42,718 (2021 – \$28,500) mainly due to the cost incurred in setting up new accounting system for oil production and operations.
- Accretion expense of \$3,789 (2021 – \$359) mainly due to recognition of additional asset retirement obligation for the new wells.

**FIRST HELIUM INC.**  
**MANAGEMENT DISCUSSION AND ANALYSIS**  
For the year ended March 31, 2022

---

- Investor relations was \$361,135 (2021 – \$847) mainly due to the increased marketing activities to raise the Company’s profile and the addition of new consultants.
- Share-based compensation was \$665,990 (2021 – \$nil) mainly due to the revised calculation of the fair value using the Black-Scholes option pricing model.
- Professional fees were -\$273,230 (2021 – \$74,390) mainly due to the reversal of \$337,688 in professional fees to share issuance cost for the legal services rendered in relation to the listing on the Exchange.
- Transfer agent and filing fees were -\$9,207 (2021 – \$3,803) mainly due to the reversal of \$31,500 to share issuance cost for filing fees in relation to the listing.
- Travel and promotion were \$10,525 (2021 – \$3,335) in connection with the various conferences incurred and attended in connection with the business initiatives and promotion of the Company.

For the year ended March 31, 2022 and 2021

During the year ended March 31, 2022, the Company reported net loss of \$465,838 (2021 – \$523,676). The primary contributors to the loss were:

- Revenue from petroleum and natural gas sales of \$3,568,808 (2021 – \$nil) coming from the production of 1-30 and 4-29 oil wells.
- Recognition of direct costs of \$1,014,900 (2021 – \$nil) mainly due to the Company successfully drilled and completed and brought into production of 1-30 oil well and 4-29 oil well which incurred the related accretion expense, depletion expense, royalty expense and other operating costs to the drillings and productions.
- Accounting and compliance were \$178,218 (2021– \$114,150) due to one-time fee payment of \$50,000 in relation to the services received for various financing and listing on the Exchange and cost incurred in setting up new accounting system for oil production and operations.
- Investor relations were \$1,159,234 (2021 – \$891) due to higher corporate activities related to the Company’s listing on the Exchange.
- Share-based compensation was \$1,173,843 (2021 – \$nil) mainly from the fair value allocation of stock options granted during the fiscal year ended March 31, 2022 by using the Black-Scholes option pricing model. No stock options were granted in FY2021.
- Transfer agent and filing fees were \$111,515 (2021 – \$nil) due to financing activities, prospectus filing, listing on the Exchange, and monthly transfer agent fees.
- Travel and promotion were \$60,835 (2021 – \$8,891) in connection with the various conferences attended for the business initiatives and promotion of the Company.
- Interest expense was \$59,880 (2021 – \$147,656) in connection with the convertible debentures fully converted into shares in July 2021.
- Property investigation was \$43,125 (2021 – \$nil) mainly due to expenses incurred related to the potential strategic property acquisitions.

**FIRST HELIUM INC.**  
**MANAGEMENT DISCUSSION AND ANALYSIS**  
For the year ended March 31, 2022

**Exploration and Evaluation Assets**

For the year ended March 31, 2022

	Worsley Property	Worsley Trend	Wamer-Jenson	Total
Acquisition costs	\$ 420,805	\$ 168,251	\$ 679,552	\$ 1,268,608
Exploration costs:				
Assay and survey	47,386	15,921	-	63,307
Drilling	358,948	-	-	358,948
Engineering support	8,018	224,083	-	232,101
Equipment rental	14,110	10,800	-	24,910
Field work	-	9,000	-	9,000
General and administration	2,242	13,058	-	15,300
Geological and geophysical	266,222	241,390	248,296	755,908
Seismic data	-	244,330	166,148	410,478
Travel and support	1,375	11,054	-	12,429
Total current exploration costs	698,301	769,636	414,444	1,882,381
Professional & other fees:				
Project management	87,749	87,750	-	175,499
Total current professional & other fees	87,749	87,750	-	175,499
Total costs incurred during the year	1,206,855	1,025,637	1,093,996	3,326,488
Balance, Opening	2,070,317	1,969,413	-	4,039,730
Asset retirement obligation	262,187	322,922	-	585,109
Transfer out to PPE	(210,390)	(314,449)	-	(524,839)
<b>Balance, End of the year</b>	<b>\$ 3,328,969</b>	<b>\$ 3,003,523</b>	<b>\$ 1,093,996</b>	<b>\$ 7,426,488</b>

Cumulative costs:

Acquisition	\$ 740,616	\$ 602,162	\$ 679,552	\$ 2,022,330
Exploration	1,729,015	1,982,952	414,444	4,126,411
Professional & other fees	490,843	95,487	-	586,330
Asset retirement obligation	368,495	322,922	-	691,417
	<b>\$ 3,328,969</b>	<b>\$ 3,003,523</b>	<b>\$ 1,093,996</b>	<b>\$ 7,426,488</b>

**FIRST HELIUM INC.**  
**MANAGEMENT DISCUSSION AND ANALYSIS**  
For the year ended March 31, 2022

For the year ended March 31, 2021

	Worsley Property	Worsley Trend	Total
Acquisition costs	\$ 2,159	\$ 111,403	\$ 113,562
Exploration costs:			
Engineering support	-	5,960	5,960
General and administration	504	120,104	120,608
Geological and geophysical	214,669	370,694	585,363
Seismic data	-	982,652	982,652
Travel and support	13,833	3,427	17,260
Total current exploration costs	229,006	1,482,837	1,711,843
Professional & other fees:			
Project management	84,000	-	84,000
Total current professional & other fees	84,000	-	84,000
Total costs incurred during the year	315,165	1,594,240	1,909,405
Balance, Opening	1,755,152	375,173	2,130,325
Asset retirement obligation	-	-	-
<b>Balance, End of the year</b>	<b>\$ 2,070,317</b>	<b>\$ 1,969,413</b>	<b>\$ 4,039,730</b>

Cumulative costs:

Acquisition	\$ 319,811	\$ 433,911	\$ 753,722
Exploration	1,241,104	1,527,765	2,768,869
Professional & other fees	403,094	7,737	410,831
Asset retirement obligation	106,308	-	106,308
	\$ 2,070,317	\$ 1,969,413	\$ 4,039,730

Please refer to the Note 5 of the consolidated financial statement as of March 31, 2022 and 2021 for further information.

### SUMMARY OF QUARTERLY RESULTS

The Company was not a reporting issuer until the period subsequent to December 31, 2020 and was not required to prepare interim financial statements. Therefore, quarterly results prior to December 31, 2020 are not available.

Quarter-end	Revenues	Net Income (Loss)	Total Assets	Shareholder' Equity	Number of Shares Outstanding
March 31, 2022	\$3,568,808	\$ 1,699,395	\$ 20,310,579	\$ 16,756,262	71,516,973
December 31, 2021	Nil	\$ (680,506)	\$ 13,196,898	\$ 11,988,657	65,611,370
September 30, 2021	Nil	\$ (831,736)	\$ 12,905,925	\$ 12,584,556	65,611,370
June 30, 2021	Nil	\$ (652,991)	\$ 15,143,179	\$ 11,828,255	29,573,647
March 31, 2021	Nil	\$ (180,583)	\$ 15,789,410	\$ 11,903,306	29,573,647
December 31, 2020	Nil	\$ (153,896)	\$ 3,449,595	\$ 3,182,043	29,573,647

**FIRST HELIUM INC.**  
MANAGEMENT DISCUSSION AND ANALYSIS  
For the year ended March 31, 2022

---

## LIQUIDITY AND CAPITAL RESOURCES

The Company was able to raise additional funds through the issuance of convertible debentures and private placements (brokered and non-brokered) last March 2021. The Company will have sufficient working capital to meet its operational growth plans and its general corporate activities for the next twelve months.

### For the year ended March 31, 2022 and 2021

As at March 31, 2022, the Company had a working capital balance of \$4,762,307.

During the year ended March 31, 2022, the Company generated:

- Cash flow deficit from operating activities totaling \$493,641 (2021 – \$450,113).
- Cash flow deficit from investing activities totaling \$6,545,798 (2021 – \$1,545,898) mainly attributable to the recognition of property, plant, and equipment for 1-30 and 4-29 oil wells and exploration activities for other related Worsley properties.
- Cash flow surplus from financing activities totaling \$2,036,133 (2021 – \$12,527,873) mainly coming from warrants and options exercised.

## OFF BALANCE SHEET ARRANGEMENTS

The Company does not have off balance sheet arrangements.

## RELATED PARTY TRANSACTIONS

### Key management personnel compensation

Key management consists of the Company's directors and officers. Remuneration of key management includes the following:

	Year ended March 31, 2022	Year ended March 31, 2021
Accounting and compliance fees <sup>(i)</sup>	\$ 164,000	\$ 114,150
Exploration and evaluation expenditures <sup>(ii)</sup>	527,250	529,500
Management fees <sup>(iii)</sup>	73,700	64,000
Rent expense <sup>(iii)</sup>	24,000	24,000
Investor relations <sup>(iv)</sup>	120,000	-
Share-based compensation	1,027,099	-
Total remuneration	\$ 1,936,049	\$ 731,650

(i) Management, accounting and compliance fees paid to a company controlled by a spouse of an officer of the Company in the amount of \$164,000 (2021 - \$114,150).

(ii) During the year ended March 31, 2022, the Company paid or accrued \$527,250 (2021 - \$529,500) to various officers and directors of the Company which was capitalized as exploration and evaluation assets. As at March 31, 2022, the Company paid or accrued management and directors fees of \$73,700 (2021 - \$64,000), which were expensed as management fees.

(iii) During the year ended March 31, 2022, the Company incurred rent expense paid to a company controlled by a spouse of an officer of the Company in the amount of \$24,000 (2021 - \$24,000).

(iv) During the year ended March 31, 2022, the Company paid or accrued \$120,000 (2021 - \$nil) to a former officer of the Company for investor relations.

**FIRST HELIUM INC.**  
**MANAGEMENT DISCUSSION AND ANALYSIS**  
For the year ended March 31, 2022

---

The balance payable to related parties as at March 31, 2022 was \$59,104 (2021 - \$234,720) and is included in accounts payable and accrued liabilities. These payables are unsecured, non-interest bearing and are expected to be repaid under normal trade terms.

### **PROPOSED TRANSACTIONS**

There are no proposed transactions that have not been disclosed herein.

### **CRITICAL ACCOUNTING ESTIMATES**

The Company's accounting policies are described in Note 3 to the consolidated financial statements for the year ended March 31, 2022. The preparation of financial statements in accordance with IFRS requires management to select accounting policies and make estimates. Such estimates may have a significant impact on the financial statements. Actual amounts could differ materially from the estimates used and, accordingly, affect the results of the operations. Areas where estimates were used for the year ended March 31, 2022 include the valuation of property, plant and equipment, mineral property transactions and valuation of share based payments.

### **CHANGES IN ACCOUNTING POLICIES**

Please refer to the March 31, 2022 and 2021 audited financial statements.

### **NEW STANDARDS AND INTERPRETATIONS NOT YET ADOPTED**

Please refer to the March 31, 2022 and 2021 audited financial statements.

### **RISKS AND UNCERTAINTIES**

The Company is in the business of acquiring, exploring and, if warranted, developing and exploiting natural resource properties. A number of risk factors will apply due to the nature of the Company's proposed business and the present stage of exploration of its mineral properties (which are primarily early-stage exploration properties with no known resources or reserves); refer to the Company's annual financial statements and management discussion and analysis for the year ended March 31, 2022 and 2021 for more details.

### **FINANCIAL INSTRUMENTS AND RISK MANAGEMENT**

Financial instruments measured at fair value are classified into one of three levels in the fair value hierarchy according to the relative reliability of the inputs used to estimate the fair values. The three levels of the fair value hierarchy are:

- Level 1: Unadjusted quoted prices in active markets for identical assets or liabilities;
- Level 2: Inputs other than quoted prices that are observable for the asset or liability either directly or indirectly; and
- Level 3: Inputs that are not based on observable market data.

The Company's financial instruments consist of cash, cash held in trust, accounts receivable, sales tax receivable, accounts payable and accrued liabilities, and convertible debentures. The fair values of the Company's financial instruments approximate their carrying value, which is the amount recorded on the consolidated statement of financial position due to their short-term nature. The fair value of the Company's convertible debentures approximates their carrying value due to the instruments measured at a market rate of interest.

The Company is exposed in varying degrees to a variety of financial instrument related risks:

**FIRST HELIUM INC.**  
**MANAGEMENT DISCUSSION AND ANALYSIS**  
For the year ended March 31, 2022

---

*Credit Risk*

Credit risk is the risk that one party to a financial instrument will cause a financial loss for the other party by failing to discharge an obligation. Financial instruments that potentially subject the Company to credit risk consist of cash, accounts receivable, and sales tax receivable. The carrying amount of these accounts at March 31, 2022 on the statement of financial position comprises the maximum exposure to credit risk. The Company's cash is held through a large Canadian financial institution. The Company's accounts receivable was collected in full subsequent to year end in accordance with its trade terms. The Company's sales tax receivable consists of amounts due from the Government of Canada of \$37,609 (2021 - \$66,912). Management believes that the exposure to credit risk is low.

*Liquidity Risk*

Liquidity risk is the risk that an entity will encounter difficulty in meeting obligations associated with financial liabilities. The Company manages liquidity risk through the management of its capital structure, as outlined in Note 12 of the audited financial statements. As at March 31, 2022, the Company had a cash balance of \$5,530,473 (2021 – cash \$3,469,367 and cash held in trust \$7,064,412) to settle current liabilities of \$2,645,348 (2021 - \$3,776,957). The Company has sufficient funds to meet its obligations.

*Price Risk*

Commodity price risk is the risk that the fair value of future cash flows will fluctuate as a result of changes in commodity prices. Commodity prices for helium, oil and gas are impacted not only by the relationship between the Canadian Dollars and United States Dollars, but also by market conditions for helium, natural gas, NGL's and condensate that dictate the levels of supply and demand. The Company does not have any financial risk management contracts in place as at March 31, 2022 to manage this risk.

*Interest and Foreign exchange risk*

The Company is not subject to interest rate or foreign exchange risk.

**COMMITMENTS**

There is no new commitment that has not been disclosed.

**OTHER MD&A REQUIREMENTS**

Additional information relating to the Company is available in the prospectus.

**FIRST HELIUM INC.**  
**MANAGEMENT DISCUSSION AND ANALYSIS**  
For the year ended March 31, 2022

---

**OUTSTANDING SHARE DATA**

The Company is authorized to issue an unlimited number of Common Shares without par value. As at the date of this MD&A, the following Common Shares, options, and share purchase warrants were outstanding:

	<b>Number of shares</b>	<b>Exercise Price</b>	<b>Expiry Date</b>
Issued and outstanding common shares	74,867,353		
Warrants	1,862,309	\$0.35	November 3, 2022
Warrants	242,135	\$0.50	March 2, 2023
Warrants	337,868	\$0.50	March 15, 2023
Warrants	6,853,646	\$0.50	July 5, 2023
Warrants	8,870,359	\$0.50	July 8, 2023
Warrants	172,156	\$0.35	July 12, 2023
Warrants	854,844	\$0.50	July 15, 2023
Options	150,000	\$0.35	May 27, 2024
Options	5,762,500	\$0.35	May 27, 2026
Options	100,000	\$0.35	May 27, 2026
<b>Fully diluted</b>	<b>100,073,170</b>		

**ADDITIONAL DISCLOSURE FOR VENTURE ISSUERS WITHOUT SIGNIFICANT REVENUE**

Additional disclosure concerning the Company's general and administrative expenses is provided in the Company's Statement of Loss and Comprehensive Loss contained in its audited financial statement for the year ended March 31, 2022.