MICHIGAN STATE
UNIVERSITY

APPROVED

DECEMBER 13, 2019

BOARD OF TRUSTEES
MICHIGAN STATE UNIVERSITY

December 13, 2019

MEMORANDUM

To: Committee on Audit, Risk and Compliance

From: Teresa A. Sullivan *Teresa A. Sullivan*
Interim Executive Vice President and Provost

Subject: Approval of Contract Terms: *Cove Diamond, LLC*

RECOMMENDATION

The Trustee Committee on Audit, Risk and Compliance recommends that the Board of Trustees approve a contract between Michigan State University and *Cove Diamond, LLC*, a company in which MSU faculty member Dr. Timothy Grotjohn holds a financial interest.

RESOLUTION

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves a license agreement with *Cove Diamond, LLC* consistent with earlier public notice given at a Board meeting and with a "License Agreement Term Sheet" now presented to the Board for inclusion in its minutes.

BACKGROUND

In compliance with State law, public notice of the University's intent to negotiate contracts with *Cove Diamond, LLC*, a Michigan limited liability company, was given at the Board of Trustees meeting on June 21, 2019. The terms of a license agreement are now presented for Board approval.

Dr. Timothy Grotjohn, Professor in the Department of Electrical and Computer Engineering and members of his family own or have options to buy an ownership interest of more than 1% of the company.

The attached "License Agreement Term Sheet" summarizes the agreement that MSU has negotiated with *Cove Diamond, LLC.*

cc: Board of Trustees, S. Stanley, N. Barr, M. Zeig, S. Hsu, B. Mattes, K. Wilbur, B. Quinn, C. Berg

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PROVOST

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LICENSE AGREEMENT TERM SHEET

Party:	Cove Diamond, LLC
Agreement:	Non-Exclusive License in the field of lab-grown diamonds
Technology:	MSU TEC2007-0078 "Process and Apparatus for Diamond Synthesis," US Patent Nos. 9,487,858 and 9,732,440; TEC2010-0076 "N-Doped Single Crystal Diamond Substrates and Methods Therefor," US Patent No. 9,166,002; TEC2014-0115 "Methods and Apparatus for Microwave Plasma Assisted Chemical Vapor Deposition Reactors," US Patent Application 15/313,250; TEC2015-0061 "Diamond Deposition Reactor Improvements," US Patent Application 15/463,046; and TEC2018-0100 "Method to Fabrication of Large Area Diamond Substrate," PCT Patent Application PCT/US2019/032602. The parties may add or remove technologies under the agreement, including improvements generated under a separate sponsored research agreement, provided the change does not affect the financial consideration of the parties or the nature or extent of any pecuniary interest of MSU personnel.
Term:	Effective Date – to the last to expire of the patents
Potential Commercial Application:	Lab-grown diamonds and related devices
Payment Terms:	$1,000 to MSU within 30 days of the effective date; $4,000 milestone payments, annual minimums beginning 2021 and 2.0-4.0% on net sales; reimbursement of patent costs
Services Provided:	By MSU to Cove Diamond, LLC: None contemplated under the agreement By Cove Diamond, LLC to MSU: None contemplated under the agreement

Organization Type:	Michigan limited liability company
Personnel Interest:	Dr. Timothy Grotjohn, a Professor in the Department of Electrical and Computer Engineering and members of his family own or have options to buy an ownership interest of more than 1% of the company.

MICHIGAN STATE
UNIVERSITY

December 13, 2019

MEMORANDUM

To: Committee on Audit, Risk and Compliance

From: Teresa A. Sullivan Teresa A. Sullivan
Interim Executive Vice President and Provost

Subject: Approval of Contract Terms: *Great Lakes Crystal Technologies, Inc.*

RECOMMENDATION

The Trustee Committee on Audit, Risk and Compliance recommends that the Board of Trustees approve a contract between Michigan State University and *Great Lakes Crystal Technologies, Inc.*, a company in which MSU faculty member Dr. Timothy Grotjohn holds a financial interest.

RESOLUTION

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves a license agreement with *Great Lakes Crystal Technologies, Inc.* consistent with earlier public notice given at a Board meeting and with a "License Agreement Term Sheet" now presented to the Board for inclusion in its minutes.

BACKGROUND

In compliance with State law, public notice of the University's intent to negotiate contracts with *Great Lakes Crystal Technologies, Inc.,* a Michigan company, was given at the Board of Trustees meeting on September 6, 2019. The terms of a license agreement are now presented for Board approval.

Dr. Timothy Grotjohn, Professor in the Department of Electrical and Computer Engineering and members of his family own or have options to buy an ownership interest of more than 1% of the company.

The attached "License Agreement Term Sheet" summarizes the agreement that MSU has negotiated with *Great Lakes Crystal Technologies, Inc.*

cc: Board of Trustees, S. Stanley, N. Barr, M. Zeig, S. Hsu, B. Mattes, K. Wilbur, B. Quinn, C. Berg

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LICENSE AGREEMENT TERM SHEET

Party:	Great Lakes Crystal Technologies, Inc.
Agreement:	Non-Exclusive License in the field of lab-grown diamonds
Technology:	MSU TEC2007-0078 "Process and Apparatus for Diamond Synthesis," US Patent Nos. 9,487,858 and 9,732,440; TEC2010-0076 "N-Doped Single Crystal Diamond Substrates and Methods Therefor," US Patent No. 9,166,002; TEC2014-0115 "Methods and Apparatus for Microwave Plasma Assisted Chemical Vapor Deposition Reactors," US Patent Application 15/313,250; TEC2015-0061 "Diamond Deposition Reactor Improvements," US Patent Application 15/463,046; and TEC2018-0100 "Method to Fabrication of Large Area Diamond Substrate," PCT Patent Application PCT/US2019/032602. The parties may add or remove technologies under the agreement, including improvements generated under a separate sponsored research agreement, provided the change does not affect the financial consideration of the parties or the nature or extent of any pecuniary interest of MSU personnel.
Term:	Effective Date – to the last to expire of the patents
Potential Commercial Application:	Lab-grown diamonds and related devices
Payment Terms:	$1,000 to MSU within 30 days of the effective date; $4,000 milestone payments, annual minimums beginning 2021 and 2.0-4.0% on net sales; reimbursement of patent costs
Services Provided:	By MSU to Great Lakes Crystal Technologies, Inc.: None contemplated under the agreement By Great Lakes Crystal Technologies, Inc. to MSU: None contemplated under the agreement

Organization Type: Michigan company

Personnel Interest: Dr. Timothy Grotjohn, a Professor in the Department of Electrical and Computer Engineering and members of his family own or have options to buy an ownership interest of more than 1% of the company.

MICHIGAN STATE
UNIVERSITY

December 13, 2019

MEMORANDUM

To: Committee on Audit, Risk and Compliance

From: Teresa A. Sullivan Teresa A. Sullivan
Interim Executive Vice President and Provost

Subject: Approval of Contract Terms: *Mid Michigan Research, LLC (fuel development)*

RECOMMENDATION
The Trustee Committee on Audit, Risk and Compliance recommends that the Board of Trustees approve a contract between Michigan State University and *Mid Michigan Research, LLC*, a company in which MSU faculty member Dr. Harold J. Schock holds a financial interest.

RESOLUTION
BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves a sponsored research agreement with *Mid Michigan Research, LLC* consistent with earlier public notice given at a Board meeting and with a "Sponsored Research Agreement Term Sheet" now presented to the Board for inclusion in its minutes.

BACKGROUND
In compliance with State law, public notice of the University's intent to negotiate contracts with *Mid Michigan Research, LLC*, a Michigan company based in Holland, Michigan, was given at the Board of Trustees meeting on February 12, 2003. The terms of a sponsored research agreement are now presented for Board approval.

Dr. Harold J. Schock, a Professor in the Department of Mechanical Engineering, and members of his family own or have options to buy an ownership interest of more than 1% of the company.

The attached "Sponsored Research Agreement Term Sheet" summarizes the agreement that MSU has negotiated with *Mid Michigan Research, LLC.*

cc: Board of Trustees, S. Stanley, N. Barr, M. Zeig, S. Hsu, B. Mattes, K. Wilbur, B. Quinn, C. Berg

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SPONSORED RESEARCH AGREEMENT TERM SHEET

Party:	Mid Michigan Research, LLC
Agreement:	Fuel development by MSU as a subrecipient under a US Department of the Army grant
Term:	Effective Date – April 7, 2020
Potential Commercial Application:	Fuel development for jet fired engines
Payment Terms:	$25,000 to MSU in fees for service
Services Provided:	By MSU to Mid Michigan Research, LLC: provide a light fraction for testing and provide designs for on-board and off-board fractionators By Mid Michigan Research, LLC to MSU: None contemplated under the agreement
Use of University Facilities/Personnel:	Work to be performed at MSU's Engineering Building by, or supervised by, Dr. Carl Lira
Organization Type:	Michigan limited liability company
Personnel Interest:	Dr. Harold J. Schock, a Professor in the Department of Mechanical Engineering, and members of his family, own or have options to buy an ownership interest of more than 1% of the company.

MICHIGAN STATE
UNIVERSITY

December 13, 2019

MEMORANDUM

To: Committee on Audit, Risk and Compliance

From: Teresa A. Sullivan Teresa A. Sullivan
Interim Executive Vice President and Provost

Subject: Approval of Contract Terms: *Mid Michigan Research, LLC (fuel testing)*

RECOMMENDATION

The Trustee Committee on Audit, Risk and Compliance recommends that the Board of Trustees approve a contract between Michigan State University and *Mid Michigan Research, LLC*, a company in which MSU faculty member Dr. Harold J. Schock holds a financial interest.

RESOLUTION

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves a sponsored research agreement with *Mid Michigan Research, LLC* consistent with earlier public notice given at a Board meeting and with a "Sponsored Research Agreement Term Sheet" now presented to the Board for inclusion in its minutes.

BACKGROUND

In compliance with State law, public notice of the University's intent to negotiate contracts with *Mid Michigan Research, LLC*, a Michigan company based in Holland, Michigan, was given at the Board of Trustees meeting on February 12, 2003. The terms of a sponsored research agreement are now presented for Board approval.

Dr. Harold J. Schock, a Professor in the Department of Mechanical Engineering, and members of his family own or have options to buy an ownership interest of more than 1% of the company.

The attached "Sponsored Research Agreement Term Sheet" summarizes the agreement that MSU has negotiated with *Mid Michigan Research, LLC.*

cc: Board of Trustees, S. Stanley, N. Barr, M. Zeig, S. Hsu, B. Mattes, K. Wilbur, B. Quinn, C. Berg

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SPONSORED RESEARCH AGREEMENT TERM SHEET

Party:	Mid Michigan Research, LLC
Agreement:	Testing of fuel by MSU as a subrecipient under a US Department of the Army grant
Term:	Effective Date – April 7, 2020
Potential Commercial Application:	Testing of fuel in a jet fired engine
Payment Terms:	$15,000 to MSU in fees for service
Services Provided:	By MSU to Mid Michigan Research, LLC: testing of JP-8 fuel in a jet fired engine By Mid Michigan Research, LLC to MSU: None contemplated under the agreement
Use of University Facilities/Personnel:	Work to be performed at MSU's Engineering Building by, or supervised by, Guoming Zhu
Organization Type:	Michigan limited liability company
Personnel Interest:	Dr. Harold J. Schock, a Professor in the Department of Mechanical Engineering, and members of his family, own or have options to buy an ownership interest of more than 1% of the company.

MICHIGAN STATE
UNIVERSITY

December 13, 2019

MEMORANDUM

To: Committee on Audit, Risk and Compliance

From: Teresa A. Sullivan Teresa A. Sullivan
Interim Executive Vice President and Provost

Subject: Approval of Contract Terms: *NamesforLife, LLC*

RECOMMENDATION

The Trustee Committee on Audit, Risk and Compliance recommends that the Board of Trustees approve a contract between Michigan State University and *NamesforLife, LLC*, a company in which MSU faculty members Dr. George Garrity and Dr. James Cole hold financial interests.

RESOLUTION

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves an amended license agreement with *NamesforLife, LLC* consistent with earlier public notice given at a Board meeting and with an "Amended License Agreement Term Sheet" now presented to the Board for inclusion in its minutes.

BACKGROUND

In compliance with State law, public notice of the University's intent to negotiate contracts with *NamesforLife, LLC*, a Michigan limited liability company based in Okemos, Michigan, was given at the Board of Trustees meeting on January 14, 2005. The original exclusive license agreement was approved by the Board on December 11, 2009. The terms of an amended license agreement are now presented for Board approval.

Dr. George Garrity, a Professor in the Department of Microbiology and Molecular Genetics, Dr. James Cole, a Professor in the Center for Microbial Ecology, and members of their families own or have options to buy an ownership interest of more than 1% of the company.

The attached "Amended License Agreement Term Sheet" summarizes the agreement that MSU has negotiated with *NamesforLife, LLC.*

cc: Board of Trustees, S. Stanley, N. Barr, M. Zeig, S. Hsu, B. Mattes, K. Wilbur, B. Quinn, C. Berg, N. Beauchamp

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AMENDED LICENSE AGREEMENT TERM SHEET

Party:	NamesforLife, LLC
Agreement:	Amendment to an Exclusive License Agreement
Technology:	TEC2004-0007 "Systems and Methods for Resolving Ambiguity between Names and Entities" and TEC2003-0065 "Methods for Data Classification"
Term:	Effective Date – until the last of the patents expire
Potential Commercial Application:	Biological and medical applications
Payment Terms:	Amended payment terms from the exclusive license agreement entered into on May 1, 2012 to reflect payment to MSU of 25% of sublicensing revenues (down from 50%) and minimum annual royalty of $2,500 (down from $10,000)
Use of University Facilities/Personnel:	None contemplated under the agreement
Organization Type:	Michigan limited liability company
Personnel Interest:	Dr. George Garrity, a Professor in the Department of Microbiology and Molecular Genetics, Dr. James Cole, a Professor in the Center for Microbial Ecology, and members of their families, own or have options to buy an ownership interest of more than 1% of the company.