STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING

GRETCHEN WHITMER
GOVERNOR

LIESL EICHLER CLARK
DIRECTOR

VIA E-MAIL

TO: Senate Environmental Quality Committee Members
Senate Natural Resources Committee Members
House Natural Resources and Outdoor Recreation Committee Memers

FROM: Liesl Eichler Clark, Director

DATE: April 3, 2019

SUBJECT: Sand Dune Mining Annual Report

In accordance with Section 63711(8) of Part 637, Sand Dune Mining, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, attached is the Department of Environmental Quality's (DEQ) Sand Dune Mining Annual Report for fiscal year 2018.

If you need further information, please contact Adam W. Wygant, Director, Oil, Gas, and Minerals Division, at 517-284-6823; or you may contact me at 517-284-6710.

Attachment
cc/att: Chris Harkins, Director, Senate Fiscal Agency
Mary Ann Cleary, Director, House Fiscal Agency
Chris Kolb, Director, State Budget Office
Greg Bird, Legislative Director, Governor's Office
Emily Laidlaw, Policy Director, Governor's Office
Abbey Frazier, Senate Fiscal Agency
Austin Scott, House Fiscal Agency
Jacques McNeely, State Budget Office
Jennifer Harrison, State Budget Office
Aaron B. Keatley, Chief Deputy Director, DEQ
Amy Epkey, Administration Deputy Director, DEQ
Sarah M. Howes, Director of Policy and Legislative Affairs, DEQ
David Fiedler, Regulatory Affairs Officer, DEQ
Harold R. Fitch, DEQ
Adam W. Wygant, DEQ
Kathy Tetzlaff, DEQ
Rick Henderson, DEQ
Michael J. Sweat, DEQ

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

Legislative Report

# Sand Dune Mining Annual Report

**Report Period:**
**Fiscal year 2018**

**Authority:**
**Part 637, Sand Dune Mining, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as Amended**

## Department of Environmental Quality
## Oil, Gas, and Minerals Division

For more information on the Sand Dune Mining Program, please contact:
Michael J. Sweat, Petroleum and Mining Geology Unit
Oil, Gas, and Minerals Division
P.O. Box 30256, Lansing, Michigan 48909-7756
sweatm@michigan.gov; 517-582-3446

# Sand Dune Mining Annual Report
## Fiscal Year 2018

The Department of Environmental Quality (DEQ), Oil, Gas, and Minerals Division (OGMD), administers the sand dune mining program under Part 637, Sand Dune Mining, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. Part 637 prescribes the requirements for the permitting, mining, and reclamation of sand mining operations in designated Great Lakes sand dune areas. Sand mined from these areas is used primarily for industrial and construction purposes. The program is funded entirely by the collection of an annual surveillance fee assessed to the sand dune mining operators. The amount collected is commensurate with the funds needed to cover program costs.

All sand dune mining sites are located within two miles of the Lake Michigan shoreline. Most of the currently active sites are located between Benton Harbor and Muskegon. One site is in Mackinac County in the Upper Peninsula. Of the nine current permits, only four sites are producing sand; the other five sites are either in reclamation or are inactive.

### PERMITTING ACTITIVIES

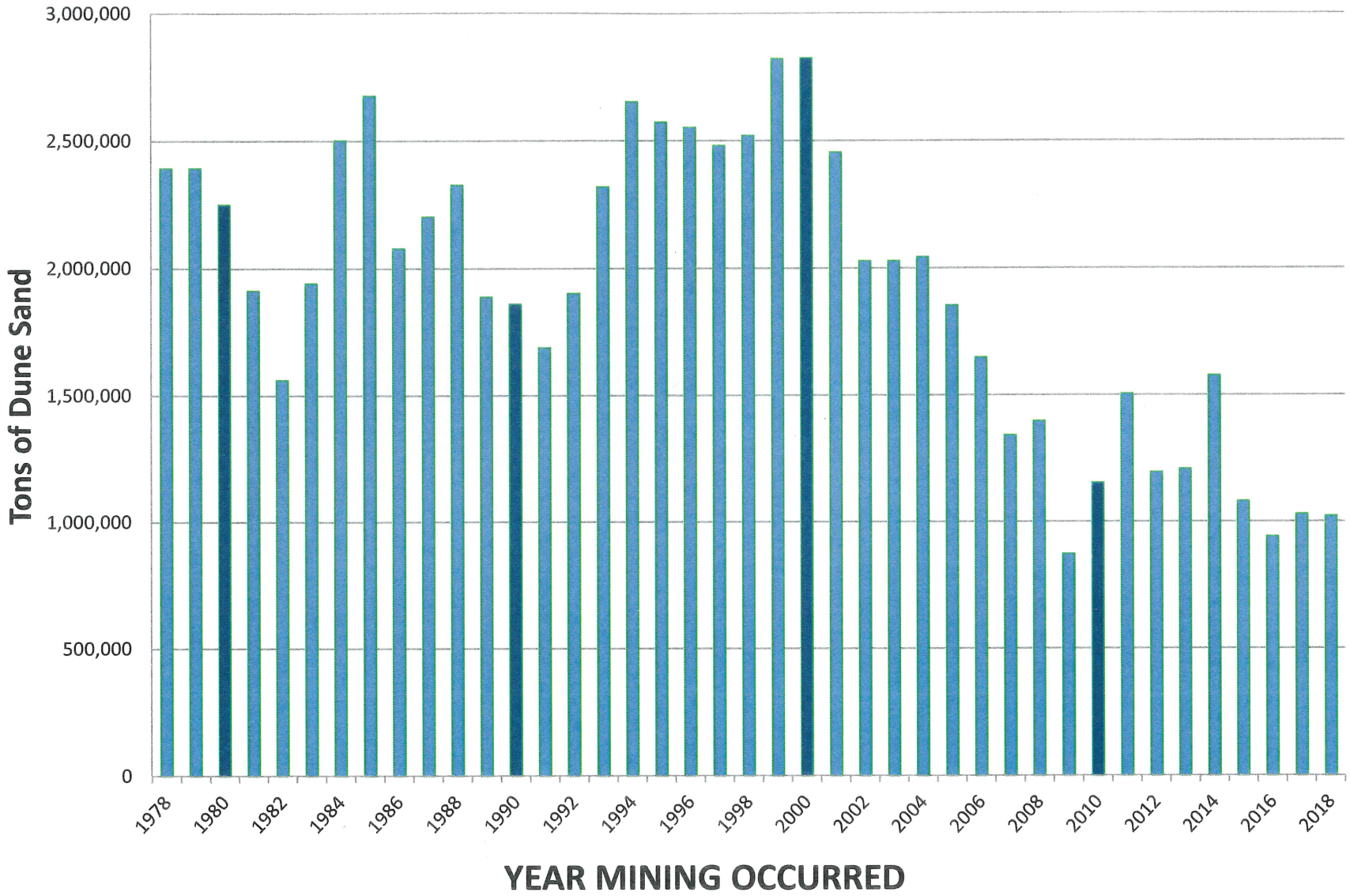
There were no renewals in 2018, and no permits expired in 2018.

### SURVEILLANCE AND ENFORCEMENT ACTIVITIES

OGMD staff conducted a total of 11 on-site inspections at permitted sites in fiscal year (FY) 2018 and responded to one complaint. No significant issues occurred that required enforcement action, and all companies were in compliance.

### REVENUE AND EXPENDITURES

Total money received from sand dune mining surveillance fees totaled $51,483 for FY 2018. Expenditures totaled $28,653. Part 637 requires the DEQ to calculate the surveillance fee rate each year, up to a maximum of $0.10 per ton of sand mined from a sand dune area for the previous calendar year. Fees are collected only to match actual costs for implementing Part 637 and are maintained such that the Sand Extraction Fee Revenue Fund (Fund) maintains a balance of approximately one to two year's operating expense. Owing to the nature of sand dune mining, even after production ceases there is post-production reclamation requiring some oversight until closure. Unexpended money in the Fund is carried forward each year. The balance in the Fund at the end of FY 2018 was $216,349.




**Annual dune sand production, in tons, from 1978 through 2018**
During 2018: 1,021,979 tons of sand were produced from nine permitted sites.

**1978-2018: 78,719,522 tons of dune sand have been produced.**

| *Permit Number* | *Company Name* | *Site Name* | *Status* | *Renewal* |
|---|---|---|---|---|
| *TS-GP-100* | *Technisand, Inc.* | *Gulliver-Peters Site* | *Closed 2006* | *NA* |
| *TS-BP-101* | *Technisand, Inc.* | *Busse Property* | *Closed 2014* | *NA* |
| *TS-GS-102* | *Technisand, Inc.* | *Garage Site* | *Closed 1996* | *NA* |
| **TS-NP-103** | **Technisand, Inc.** | **Nadeau Pit** | **Active** (Permitted 1979) | **2020** |
| *TS-RP-104* | *Technisand, Inc.* | *Rose Pit* | *Closed 1996* | *NA* |
| *TS-BS-105* | *Technisand, Inc.* | *Bridgman South Site* | *Closed 1997* | *NA* |
| *TS-BN-106* | *Technisand, Inc.* | *Bridgman North Site* | *Closed 1996* | *NA* |
| *TS-NS-107* | *Technisand, Inc.* | *Nadeau Site (Taube Road)* | *Closed 2015* | *NA* |
| **SAS-LS-108** | **Sargent Sand** | **Ludington Site** | **Active** (Permitted 1981) | **2021** |
| **NUS-LAS-109** | **Nugent Sand** | **Lincoln Avenue Site** | **Active** (Permitted 1981) | **2019** |
| *VCD-HH-110* | *Verplank's Coal & Dock Co.* | *Holiday Hills Site* | *Closed 2003* | *NA* |
| *CWC-LHRS-111* | *CWC Castings* | *Lake Harbor Road Site* | *Closed 1987* | *NA* |
| **JMC-SBS-112** | **Jackson-Merkey Contr. Inc.** | **Sherman Boulevard Site** | **Active** (Permitted 1982) | **2019** |
| **CAC-FBS-113** | **Ottawa Sand Company** | **Ferrysburg Site** | **Active** (Permitted 1982) | **2019** |
| **STS-RMS-114** | **Standard Sand** | **Rosy Mound Site** | **Active** (Permitted 1982) | **2020** |
| *BON-LT-115* | *Bonzelaar, Jack J.B.* | *Laketown Site* | *Closed 2005* | *NA* |
| **SPC-PS-116** | **Sand Products** | **Plateau Site** | **Active** (Permitted 1983) | **2021** |
| *HJT-TP-117* | *Tanis, Harold J.* | *Tanis Property* | *Closed 1992* | *NA* |
| *TS-AS-118* | *Technisand, Inc.* | *Austin Site* | *Closed 2001* | *NA* |
| *TS-GAR-119* | *Technisand, Inc.* | *Garlanger* | *Closed 2001* | *NA* |
| *WR-RS-120* | *Woodland Ridge II, L.L.C.* | *Rycenga Site* | *Closed 2006* | *NA* |
| *SE-DS-121* | *Star Excavating* | *Dokter Site* | *Closed 1994* | *NA* |
| **WFR-WRP-122** | **Rohn, Walter F** | **Walter Rohn Property** | **Active** (Permitted 1991) | **2021** |
| *WD-TSS-123* | *Woodland Development* | *Tiffany Shores Site* | *Closed 1995* | *NA* |
| *Denied/124* | *Hart-Packing* | *Silver Lake Site* | *Closed 2001* | *NA* |
| *CAC-NSS-125* | *Construction Aggregates* | *North Sag Site* | *Closed 2001* | *NA* |
| *NLN-NLS-126* | *Genzink, Steve* | *New Life Nursery* | *Closed 2001* | *NA* |
| *DPD-DP-127* | *Drooger, Dennis P.* | *Drooger Property* | *Closed 1994* | *NA* |
| *OE-OES-128* | *Owens Excavating* | *Owens Excavating Site* | *Closed 2004* | *NA* |
| *WGI-BSS-129* | *Waters Group, Inc.* | *Blair Street Site* | *Closed 2001* | *NA* |
| *CB-CBS-130* | *Beasley, Charles* | *Charles Beasley Site* | *Closed 2005* | *NA* |
| *HA-GBF-131* | *Aussicker, Harold* | *Gold Barn Farms Site* | *Closed 2007* | *NA* |
| *DS-LWS-132* | *Slikkers, David* | *Legacy Woods Site* | *Closed 2006* | *NA* |
| **MES-ES-133** | **Martin Emery** | **Martin Emery Site** | **Active** (Permitted 2009) | **2019** |

***STATUS:***

*"Active"* means mining has or could occur. Some sites might not be producing or are preparing to close.
*"Closed"* means mining has stopped, reclamation has been completed, and site bond has been released.
Renewal means permit must be renewed by December 31st of specified year.
*Shaded* cells indicate mines that have not renewed their permits and that are *closed.*