



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY  
 LAND AND WATER MANAGEMENT DIVISION  
**DAM INSPECTION REPORT**

This form is to be used for inspection reports required by Part 307, Inland Lake Levels, for those dams that do not meet the size criteria as defined by Part 315, Dam Safety, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. Dams six (6) feet or more in height, as defined by Part 315, and impounding five (5) acres or more at the design flood elevation, must meet the inspection report format as outlined in Section 31518 of Part 315.

A person failing to comply, or falsely representing dam conditions, is guilty of misconduct in office.

DAM NAME LAKE CHEMUNG		DAM ID 1980	COUNTY LIVINGSTON
DATE OF INSPECTION 07/26/06	NAME OF WATERBODY LAKE CHEMUNG	SECTION, TOWN, RANGE Sec. 4 T 2N R 5E	LEVEL THIS DATE 957.98+/-
DATE ELEVATION SET BY COURT 12/14/1925	LEGAL LEVEL 957.98	DRAWDOWN LEVEL 957.98	HIGH WATER MARK ELEVATION 958.9

**EARTH EMBANKMENTS** LEFT EMBANKMENT \_\_\_\_\_ FT. RIGHT EMBANKMENT \_\_\_\_\_ FT. TOTAL LENGTH 50 FT.  
 (LOOKING DOWNSTREAM)

	UPSTREAM	CROWN	DOWNSTREAM
VEGETATIVE COVER	GRASS	GRAVEL/GRASS	GRASS
EROSION	NONE VISIBLE	NONE VISIBLE	NONE VISIBLE
SEEPAGE			NONE VISIBLE
SLIDES, SLUMPS & CRACKS	NONE VISIBLE	NONE VISIBLE	NONE VISIBLE
ANIMAL BURROWS	NONE VISIBLE	NONE VISIBLE	NONE VISIBLE
WAVE ACTION PROTECTION	SEAWALLS AND NATURAL SHORELINE		RIPRAP
REMARKS*	RUSTED SHEET PILING	CONCRETE IN GOOD CONDITION	

**CONTROL STRUCTURE**

TYPE FIXED CREST CONCRETE AND SHEET PILING	YEAR CONSTRUCTED 1952	STRUCTURAL HEIGHT (top of dam elevation minus stream invert) 5 FEET
LENGTH OF SPILLWAY 29 FEET	FREEBOARD 1.5 FEET	HYDRAULIC HEIGHT (design flood elevation minus stream invert) 5 FEET
VERTICAL PIPE SIZE NONE	HORIZONTAL PIPE SIZE 3' X 4' ARCH	HEAD (normal headwater minus normal tailwater) 2 FEET

**DESCRIBE CONDITION OF THE FOLLOWING ITEMS.**

STOPLOG VALVES AND GATES (open and close to check condition): Check location of top stoplog in relation to top of riser pipe intake box or fixed crest, for leakage, and condition of stoplogs, valves and gates. NA
OUTLET PIPE: Check for damage from ice, logs, vandalism; inside discharge pipe for settlement and/or joint separation; condition of pipe coating. CMPA RUSTING – 5-10 YEARS LEFT/ PROTECTIVE COATING HAS DETERIORATED AND COULD USE LINING.

**CONTROL STRUCTURE (continued)**

CONCRETE STRUCTURE: Check for erosion; location of cracking or spalling. If old or new; settlement; need for crack repairs.	
GOOD CONDITION, MINOR CRACKING	
WALKWAY & RAILING: Check if in place or removed, condition, and if adequate protection provided.	TRASHRACK OR LOG BOOM: Check if operable.
GOOD CONDITION	NA
EMERGENCY SPILLWAY: Size, type, and condition.	
NA	

**INLET & OUTLET CHANNELS**

	INLET	OUTLET
SIZE	LAKE	10 – 15 FEET
EXISTING CONDITION	GOOD	GOOD
EROSION	NONE VISIBLE	NONE VISIBLE
DEBRIS & OBSTRUCTIONS	SAND BUILDUP IN FRONT OF SHEETING	NONE VISIBLE
RIPRAP PROTECTION	NONE VISIBLE	RIPRAP
REMARKS*		

**RECOMMENDATIONS**

List work needed, how to be done, by whom, estimated cost, source of funds, recommended completion date. If emergency, to what extent. ADDITIONAL COMMENTS.

POSSIBLE LINE OR REPLACE OUTLET PIPE, REMOVE SAND IN FRONT OF SHEETING

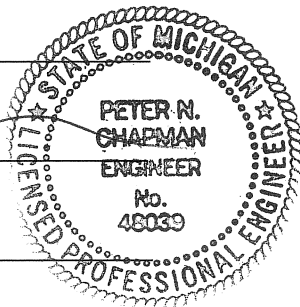
Inspection Ordered By: Brian Jonckheere, Drain Commissioner

Livingston County Delegated Agent

PETER N. CHAPMAN, P.E.  
INSPECTOR'S NAME (PRINTED)

*Peter N. Chapman*  
SIGNATURE

48039  
P.E. REGISTRATION NO.



ADDRESS: SPICER GROUP, INC.  
230 S. WASHINGTON AVENUE  
P.O. BOX 1689

CITY, STATE, ZIP CODE: SAGINAW, MI 48605-1689

TELEPHONE NUMBER: (989) 754-4717

Please submit this completed report and photographs of the dam, downstream channel, and deficiencies cited in the report to:  
DAM SAFETY PROGRAM  
LAND AND WATER MANAGEMENT DIVISION  
MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY  
PO BOX 30458  
LANSING MI 48909-7958

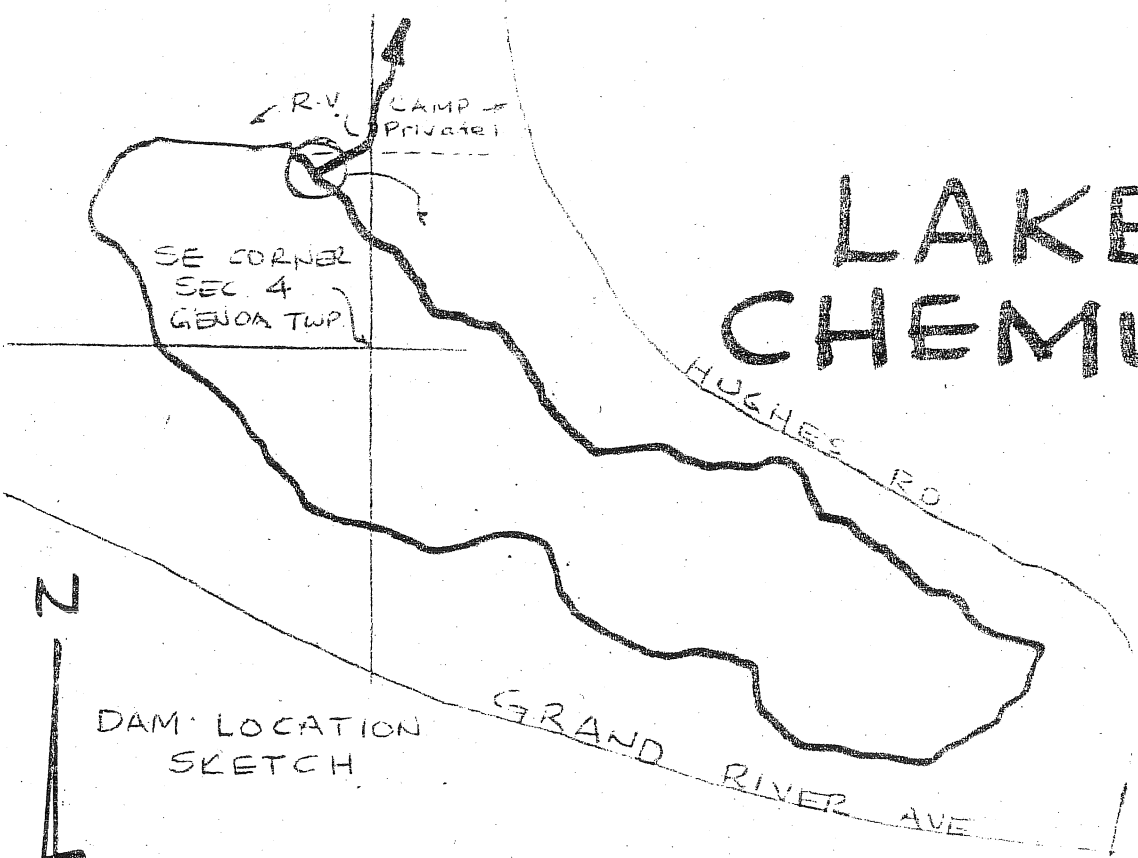
\*NOTE: If space is inadequate for remarks, attach additional sheets as needed.

Dam ID  National ID  County  County #   
 Dam Name  File  State   
 Popular Name  Plan   
 Pond Name  Quad   
 1/4 Section  Sec  Town  Range  DEQ District   
 City  Distance (mi)  Population

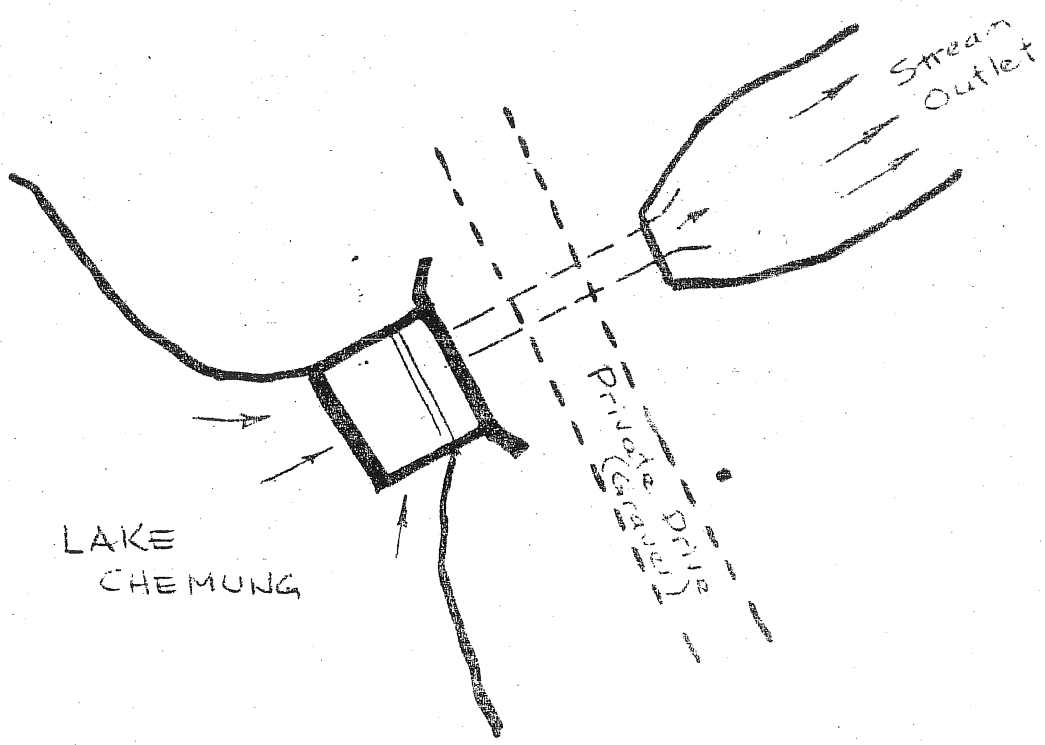
Comment

#Error	Phase I (PL92-367) inspection		<input type="text" value="No"/>
EAP	<input type="text" value="Not Required"/>	EAP Last Updated	<input type="text"/>
Deficiencies	<input type="text"/>	Hazard	<input type="text" value="Low"/>
jurisdiction	<input type="text" value="Livingston County"/>		
Owner ID	<input type="text" value="931"/>	Owner	<input type="text" value="Livingston County Dr. Commissioner"/>
Owner Type	<input type="text" value="Private"/>		
Authority	<input type="text" value="Part 307"/>	Del. Authority	<input type="text" value="Livingston County Drain Commissioner"/>
Inspection Date	<input type="text" value="05/14/2003"/>	Inspector	<input type="text" value="Kenneth E. Recker, II"/>
Report Date	<input type="text" value="12/04/2003"/>	Next Inspection Date	<input type="text" value="12/31/2006"/>
Report Received:	<input type="text" value="12/8/2003"/>	Action required	<input type="text"/>
Report Reviewed	<input type="text" value="02/06/2004"/>	Report Reply Date:	<input type="text"/>
Year Built	<input type="text" value="1988"/>	Type	<input type="text" value="Earth Gravity"/>
Purpose	<input type="text" value="Recreation"/>		
Top of dam to streambed (ft)	<input type="text" value="5"/>	Design flood elevation to streambed (ft)	<input type="text" value="5"/>
Head - headwater minus tailwater at normal flow (ft)	<input type="text" value="2"/>	Normal Freeboard (ft)	<input type="text"/>
Pond acres at normal flow	<input type="text" value="321"/>	Max. storage (ac-ft)	<input type="text" value="680"/>
Normal storage (ac-ft)	<input type="text" value="255"/>		
River	<input type="text" value="Lake Chemung Outlet"/>	Watershed	<input type="text" value="32C"/>
Drainage area (sq. mi)	<input type="text" value="0"/>		
Design Flood	<input type="text"/>		
Design inflow discharge (cfs)	<input type="text"/>		
Max. Spillway Capacity (cfs)	<input type="text" value="0"/>	Design outflow discharge (cfs)	<input type="text" value="0"/>
Spillway control	<input type="text" value="Uncontrolled"/>	Spillway width (ft)	<input type="text" value="29"/>
Crest length (ft)	<input type="text" value="40"/>		
Permit No.	<input type="text"/>	Repair Permit No.	<input type="text"/>
Permit Expiration Date:	<input type="text"/>		
DEQ/DNR Construction Approval	<input type="text"/>	Property ID	<input type="text" value="County"/>
Year legal lake level established	<input type="text" value="1925"/>	Winter level (ft)	<input type="text"/>
Summer level (ft)	<input type="text" value="957.98"/>		
State Assessed	<input type="text" value="No"/>		
Public Access	<input type="text" value="No"/>		
SCS/NRCS	<input type="text" value="None"/>		
Latitude	<input type="text" value="42.591667"/>		
Trout Stream	<input type="text"/>		
FERC No.	<input type="text"/>		
Longitude	<input type="text" value="-83.855000"/>		
Lamprey Barrier	<input type="text"/>		
Installed capacity (kw-hr)	<input type="text" value="0"/>		
Fish Passage	<input type="text" value="No"/>		
Regulatory Agency	<input type="text" value="Michigan DEQ"/>		
Private on Federal	<input type="text" value="No"/>		

# LAKE CHEMUNG



DAM LOCATION SKETCH





**Name:** DSC00128  
**Date Modified:** 7/27/2006 8:55:00 AM  
**Date:** 7/27/2006 8:54:58 AM  
**Description:** Looking downstream of control structure



**Name:** DSC00129  
**Date Modified:** 7/26/2006 11:36:22 AM  
**Date:** 7/26/2006 11:36:22 AM  
**Description:** Downstream face of pipe under driveway



**Name:** DSC00130  
**Date Modified:** 7/26/2006 11:37:08 AM  
**Date:** 7/26/2006 11:37:08 AM  
**Description:** Upstream face of pipe under driveway



**Name:** DSC00131  
**Date Modified:** 7/26/2006 11:37:24 AM  
**Date:** 7/26/2006 11:37:24 AM  
**Description:**



**Name:** DSC00132  
**Date Modified:** 7/26/2006 11:37:54 AM  
**Date:** 7/26/2006 11:37:54 AM  
**Description:** Looking upstream at control structure



**Name:** DSC00133  
**Date Modified:** 7/26/2006 11:38:10 AM  
**Date:** 7/26/2006 11:38:10 AM  
**Description:**



**Name:** DSC00134  
**Date Modified:** 7/26/2006 11:38:36 AM  
**Date:** 7/26/2006 11:38:36 AM  
**Description:**



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**Date Modified:** 7/26/2006 11:38:44 AM  
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**Description:**



**Name:** DSC00137  
**Date Modified:** 7/27/2006 8:55:16 AM  
**Date:** 7/27/2006 8:55:16 AM  
**Description:**



**Name:** DSC00138  
**Date Modified:** 7/26/2006 11:39:20 AM  
**Date:** 7/26/2006 11:39:20 AM  
**Description:** Rusted sheet pile of control structure



**Name:** DSC00139  
**Date Modified:** 7/26/2006 11:39:26 AM  
**Date:** 7/26/2006 11:39:26 AM  
**Description:**



**Name:** DSC00140  
**Date Modified:** 7/26/2006 11:39:40 AM  
**Date:** 7/26/2006 11:39:40 AM  
**Description:**



**Name:** DSC00141  
**Date Modified:** 7/26/2006 11:39:54 AM  
**Date:** 7/26/2006 11:39:54 AM  
**Description:**



**Name:** DSC00142  
**Date Modified:** 7/26/2006 11:40:26 AM  
**Date:** 7/26/2006 11:40:26 AM  
**Description:** Rusted CMP pipe under driveway



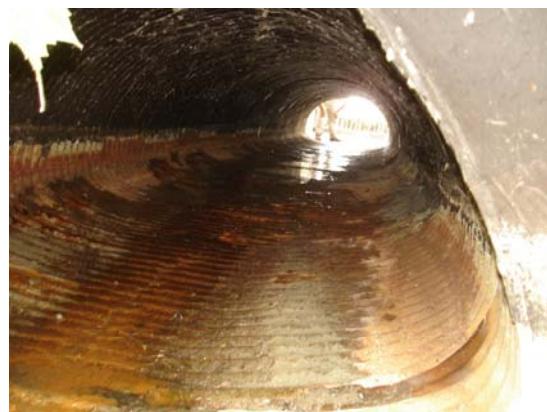
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**Description:**



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**Date:** 7/27/2006 8:55:38 AM  
**Description:**



**Name:** DSC00147  
**Date Modified:** 7/26/2006 11:44:12 AM  
**Date:** 7/26/2006 11:44:12 AM  
**Description:**



**Name:** DSC00148

**Date Modified:** 7/26/2006 11:44:52 AM

**Date:** 7/26/2006 11:44:52 AM

**Description:**