



Michael L. Parson
Governor

Dru Buntin
Director

November 1, 2024

Park Charles South Community Association
C/O Mr. James Morgan
P.O. Box 1871
St. Peters, Missouri 63376

morganj344@gmail.com

RE: Park Charles South Lake Dam (MO10495) St. Charles County

Dear Mr. Morgan:

As a result of an inspection of the Park Charles South Lake Dam on October 29, 2024, I am pleased to inform you that Registration Permit R-87 has been renewed and is enclosed for your use. The term of the permit will be two years from the expiration date of the last registration permit issued for the dam and will expire on January 29, 2027. At that time, the dam will be reinspected by the Dam and Reservoir Safety Program at no cost to you. The permit is being renewed for two years based on the downstream environmental zone classification.

Please refer to the enclosed inspection report and summary for additional information on the inspection. If you have any questions, please feel free to contact Kelsey Jett, P.E., at (573) 368-2175.

Thanks for your cooperation in renewing this permit.

Sincerely,

MISSOURI GEOLOGICAL SURVEY

Ryan P. Stack, P.E.
Chief Engineer
Dam and Reservoir Safety Program

RPS/cjc
Enclosure

**STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES
DAM AND RESERVOIR SAFETY COUNCIL**

REGISTRATION PERMIT

Pursuant to Chapters 236.400 through 236.500 of the Revised Statutes of Missouri and the rules established by the Dam and Reservoir Safety Council, and on the basis of an inspection by the Department of Natural Resources for the Park Charles South Lake Dam, St. Charles County, all of which are made a part hereof by reference, **PERMISSION IS HEREBY GRANTED** to Park Charles South Community Association, hereafter known as the permittee, whose address for the purpose of notices and other communications pertaining to this permit is P.O. Box 1871; St. Peters, Missouri 63376, which address is subject to change by written notice from the permittee, **TO OPERATE** said dam and reservoir located in Section 7, Township 46 North, Range 04 East, having identification number of MO10495, a dam height of 39 feet, a principal spillway elevation of 99.0 feet (site datum), an auxiliary spillway elevation of 99.9 feet (site datum), a minimum crest elevation of 102.4 feet (site datum), a reservoir area of 9 acres at the water storage elevation and approximate UTM Coordinates of 4,300,700 meters North and 707,700 meters East, Zone 15, subject to the following provisions:

GENERAL PROVISIONS:

1. No liability shall be imposed upon or incurred by the State of Missouri and/or the Dam and Reservoir Safety Council, or any of their officers, agents, employees, and members, officially or personally, on account of the granting hereof or on account of any damage to any person or property resulting from any act or omission of the permittee or any of its agents, employees, or contractors, or closed corporations or successors relating to any matter hereunder. This permit shall not be construed as estopping or limiting any legal claim or right of action of the state against the permittee, its agents, employees or contractors for any damages or injury resulting from any such act or omission by them or for violation of or failure to comply with the provisions of the permit or applicable provisions of law.
2. The permittee shall comply with all Federal, State and local laws and regulations, and shall obtain such other permits as may be required.

3. In cases where the doing by the permittee of anything authorized by this permit shall involve the taking, using or damaging of any property rights or interest of any other person or persons, or of any publicly owned lands or improvements thereon or interests therein, it is the sole responsibility of the permittee, before proceeding therewith, to obtain the written consent of all persons, agencies, or authorities concerned, and to acquire all property, rights and interests necessary therefore, including flood easements or permissions for all properties which may be inundated by the dam on a temporary or permanent basis in the upstream impoundment area below the top of dam elevation.
4. The permittee shall notify the Dam and Reservoir Safety Council in writing upon the sale or other transfer of interest in the dam or reservoir.
5. Based on conditions existing at the time of issuing this permit, the Downstream Environment Zone is Class I.
6. The permittee shall not alter, enlarge, reduce, repair or remove the dam, reservoir or appurtenances without first obtaining a construction permit from the Dam and Reservoir Safety Council.
7. The permittee shall immediately notify in writing, the Chief Engineer of any conditions relating to the structural stability of, hydraulic capacity of, or seepage through the dam discovered during the term of this permit which may differ from those conditions identified in the renewal inspection summary.
8. The terms and provisions of this permit shall extend to and bind the successors in authority of the Dam and Reservoir Safety Council and the legally assigned successors in interest of the permittee.
9. Maintenance of the dam and reservoir herein permitted shall be the responsibility of the permittee.
10. The term of this permit shall be two (2) years from the expiration date of the last safety permit issued for the dam and will expire on January 29, 2027. The permittee shall apply for renewal not less than sixty (60) days prior to this expiration date.

Executed at Rolla, Missouri on this 1st day of
November 2024

DAM & RESERVOIR SAFETY COUNCIL

By _____
Chief Engineer
Dam and Reservoir Safety Program



ID #: MO10495	PARK CHARLES SOUTH LAKE DAM	INSPECTION DATE: October 29, 2024
ST. CHARLES COUNTY	PERMIT NUMBER: R-087	HAZARD CLASS: I
EARTHFILL	INSPECTION TEAM: Scheible/Jett	PLSS: T46NR04ES07

DAM & RESERVOIR SAFETY PROGRAM (DRSP) DAM INSPECTION REPORT

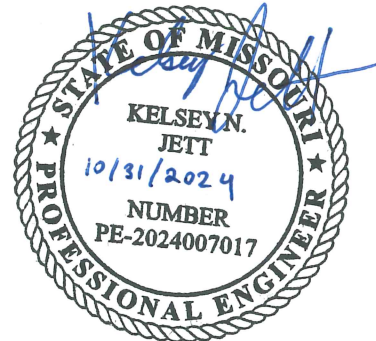
OWNER:	PARK CHARLES SOUTH COMMUNITY ASSOCIATION	
ADDRESS:	C/O JAMES MORGAN	
	P.O. BOX 1871	
CITY/STATE/ZIP:	ST. PETERS, MISSOURI 63376	
TELEPHONE:	314-494-0147	
EMAIL:	morganj344@gmail.com	
SPILLWAY TYPE(S):	PRINCIPAL	7-ft 4-in square concrete drop inlet with a 48-in reinforced concrete outlet pipe
	AUXILIARY	Concrete-lined open channel in right abutment

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ENGINEER CERTIFICATION

- ☒ I hereby certify that PARK CHARLES SOUTH DAM was inspected in accordance with RSMO 236.400 through RSMO 236.500.
- ☒ I hereby certify that PARK CHARLES SOUTH DAM did not have any observed defects that required correction at the time of the inspection.
- ☒ Judgement of Slope Stability – The embankment and appurtenant structures appeared to be in good overall condition at the time of the inspection, with no indications of slope instability or excessive seepage.
- ☐ Defects were found that will have to be corrected prior to the permit being renewed.



INSPECTING ENGINEER
Kelsey Jett, PE
Missouri Engineer, PE-2024007017



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INSPECTION CHECKLIST

Item	Condition	Issue	Comments
1. Upstream face/riprap	NP		
2. Crest	NP		
3. Downstream face	NP		
4. Left groin	NP		
5. Right groin	NP		
6. Toe of dam	NP		
7. Principal spillway (PS)	NP		
8. PS outlet channel	NP		
9. Auxiliary spillway (AS)	NP		
10. AS outlet channel	NP		
11. Embankment drains	NP		
12. Lake drain gates/valves	OR	Drawdown Valve	Continue to monitor the leaking drawdown valve.
13. Other	NA		Great job maintaining your dam!

NP = No observable problem
EC = Emergency Condition

MR = Maintenance Required
OR = Observation Required

DO = Defect Observed
NA = Not Applicable



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SURVEY and FREEBOARD DATA

STATION	ELEVATION (ft.) ¹	COMMENTS
TBM	100.0	Temporary benchmark – Chisel mark on upstream left corner of concrete auxiliary spillway
PS	99.0	Principal spillway inlet
AS	99.9	Auxiliary spillway sill
Dam	102.4	Low point on crest of dam
WL	98.7	Water level on day of inspection
Freeboard (ft.)	Available	Required
	3.4	2.8

¹Elevations are based on an assumed, local site datum of 100.0 feet at the temporary benchmark

Equipment used

☒ GPS system

☐ Auto level and rod

INSPECTION PHOTOS



Downstream face



Downstream face



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Upstream face



Principal spillway inlet (picture from 2022)



Principal spillway outlet pipe in combined principal/auxiliary concrete channel.



Sealed crack in concrete spillway channel



Auxiliary spillway inlet



Auxiliary spillway outlet channel



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Principal/auxiliary spillway outlet channel end



Principal spillway pipe – note leaking drawdown valve



Filled animal burrow near principal spillway inlet