



Appalachian Power
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Ms. Kimberly Bose, Secretary
Federal Energy Regulatory Commission
888 First Street, N.E.
Washington, DC 20426

March 31, 2023

Dear Secretary:

RE: Smith Mountain Project No. 2210
Article 411- Debris Management
2022 Annual Report

On behalf of Appalachian Power Company (Appalachian), please find enclosed the 2022 Debris Management Annual Report pursuant to the approved Debris Management Plan, under Article 411, Debris Management, of the *Order Issuing New License* issued by the Federal Energy Regulatory Commission (Commission) on December 15, 2009, as modified by *Order on Rehearing and Clarification* dated September 16, 2010, and by *Order Amending Debris Management Plan* issued September 11, 2012, which amends the filing date to March 31.

According to the Debris Management Plan, the annual report is to contain the following: a) summary of the amount of debris removed for each lake including details of the methods used; b) summary of debris removal efforts that take place outside of the license or by other parties; c) summary of Volunteer Lake Cleanup Efforts; d) summary of education efforts; e) discussion of off-load sites utilized to remove debris, an update on status of securing additional sites and alternative methods that are identified; f) summary of evaluation of sites for possible debris diversion and collection devices; g) details of any plans that require Commission approval including costs and implementation schedule; h) proposed modifications to the plan; and i) consultation documentation. Additionally, by letter dated June 22, 2011, the Commission's Department of Hydropower Administration and Compliance requested that two new informational columns to be added. The columns will indicate whether or not reported debris in question is within Appalachian's license requirements and resolution of the item in question.

Appalachian forwarded copies of the draft annual report to members of the Debris Technical Review Committee (TRC) via email attachment on March 1, 2023, for 30-day review and comment. The Debris TRC includes representatives from the Leesville Lake Association (LLA) Debris Committee, the Smith Mountain Lake Association (SMLA), the Tri-County Lakes Administrative Commission (TLAC)¹, and the Virginia Department of Wildlife Resources (VDWR). Email responses with letter attachments were received from LLA and TLAC on March 29 and 30, 2023, respectively. No other comments on the draft

¹ TLAC includes representatives from four counties adjacent to the Smith Mountain Project, the Leesville Lake Association, and the Smith Mountain Lake Association. Appalachian Power Company is a non-voting member who attends the quarterly meetings.

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report were received. Documentation of consultation is included in Appendix C of the 2022 Annual Report.

Both LLA and TLAC acknowledged the efforts of Appalachian's debris removal crew during 2022. Both organizations offered multiple comments on Appalachian's debris removal program and the Debris Management Plan that were similar in topic and concern to those provided on the 2021 draft debris report. However, no comments in either organization's letters were specific to edits/revisions to the draft report. As such, Appalachian proposes to address the comments with all members of the Debris TRC during the annual meeting to be scheduled in April 2023 and to subsequently make a supplemental information filing with the Commission. Meeting notes and Appalachian's specific response to each comment in the draft report review letters will be included in the filing.

Appalachian thanks the Debris TRC for its review of the draft 2022 Annual Report and TLAC and LLA for their comments on that draft. Appalachian believes that the enclosed report fulfills its reporting requirements under Section 5.0 of the Debris Management Plan and looks forward to discussing those topics outside the scope of Section 5.0 with the Debris TRC.

If there are any questions, please contact the undersigned at (540) 985-2984.

Sincerely,

A handwritten signature in black ink that reads "Edward S. Brennan". The signature is fluid and cursive, with a long horizontal line extending from the end of the name.

Edward S. Brennan
Plant Environmental Coordinator Principal

Enclosure

Cc: Distribution List
 Steve Dolan – AEP
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Appalachian Power Company
Smith Mountain Project
Article 411 – Debris Management Plan Annual Report
January 1 - December 31, 2022
Distribution List

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Leesville Lake Association Debris Committee

APPALACHIAN POWER COMPANY
SMITH MOUNTAIN PUMPED STORAGE PROJECT, NO. 2210
ARTICLE 411 - DEBRIS MANAGEMENT
ANNUAL REPORT
JANUARY 1, 2022 - DECEMBER 31, 2022

Appalachian Power Company
Hydro Generation
P.O. Box 2021
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1.0 Introduction

The following Debris Management Plan Annual Report for the Smith Mountain Project No. 2210 (Project) was prepared in accordance with License Article 411 (Debris Management) approved and modified by the *ORDER ISSUING NEW LICENSE* issued on December 15, 2009 and the *ORDER ON REHEARING AND CLARIFICATION* issued September 16, 2010 by the Federal Regulatory Commission (Commission). The Debris Management Plan (DMP) requires that Appalachian Power Company (Appalachian) compile and file with the Commission an annual report regarding certain activities identified in the DMP. According to Section 5.0, Report, Appalachian is to prepare an annual report documenting debris removal efforts. The annual report will contain the following:

- a. Summary of the amount of debris removed for each lake including details of the methods used.
- b. Summary of debris removal efforts that take place outside of the license or by other parties
- c. Summary of Volunteer Lake Cleanup Efforts
- d. Summary of Education Efforts
- e. Discussion of the off-load sites utilized to remove debris, an update on status of securing additional sites and alternative methods that are identified
- f. Summary of evaluation of sites for possible debris diversion and collection devices
- g. Details of any plans that require Commission approval including costs and implementation schedule
- h. Proposed modifications to the plan.
- i. Consultation documentation

On September 11, 2012, the Commission issued an *Order Amending Debris Management* approving Appalachian's request to amend the filing date from January 30th to March 31st of each year.

2.0 Summary of the amount of debris removed for each lake including details of the methods used

In the *Order on Rehearing and Clarification* issued September 16, 2010, the Debris Management Plan was modified to clarify Appalachian's responsibilities for debris removal. From April through October, Appalachian is to remove and properly dispose debris from the Project reservoirs that creates safety hazards, interferes with public access to public recreation facilities, or results in adverse aesthetic impacts. Appalachian must address, throughout the year, recreational hazards created by floating debris resulting from high flow events, including not only the removal of floating debris immediately after the high flow event, but also removal of floating debris created by dislodged debris on an ongoing basis after the event has occurred.

Signs are posted at public boat ramps and/or marinas alerting the public of debris in the main channel.

Below is a summary of debris removed from each lake in 2022 (rounded to nearest ton), including Volunteer Lake Cleanup efforts:

Smith Mountain Lake

Volunteer Lake Cleanup Effort	4 tons*
Appalachian crew and equipment	425 tons
Contractor	<u>200 tons</u>
Total	629 tons

Leesville Lake

Volunteer Lake Cleanup Effort	47 tons*
Appalachian crew and equipment	1,095 tons
Contractor	<u>40 tons</u>
Total	1,182 tons

Total Tonnage Removed from the Project 1,811 tons

*tonnage also included in the totals reported in Section 4.0

A total of five high flow events occurred during 2022, resulting in one or more rivers to the Project reaching their respective trigger stage (i.e., gauge height). Reaching the triggers prompts additional post-high flow debris surveys and removal of floating debris from the main channels.

Under normal inflow conditions, Appalachian is required to remove floating debris from Smith Mountain Lake and Leesville Lake from April through October. Debris removal from both lakes in 2022 began in February and continued through October for Leesville Lake and through December for Smith Mountain Lake. Debris removal was supported by Appalachian's contractor during eight of the months on Smith Mountain Lake and two months on Leesville Lake.

As stated above, there were five high flow events in 2022, each requiring debris removal crews to conduct post-high flow debris surveys and public boat ramps inspections. High flow events result in increased volume of debris entering the developments. Accordingly, debris removal efforts are escalated following high flow events.

On both lakes, Appalachian utilizes 30-foot wide by 60-foot long barges equipped with a push boat and an excavator for removing large items and bulk debris. On Smith Mountain

Lake, debris is loaded into a 30 cubic yard roll-off dumpster staged on the barge. When fully loaded the average weight is 10 tons per dumpster. The dumpsters are off loaded from the barge and then transported to the landfill for disposal. At Leesville Lake, the debris is loaded directly onto the barge and transported to one of multiple sites where it is offloaded. The woody debris offloaded at the Leesville Dam site is first chipped/shredded, loaded into trucks, and then transported off site to a facility where it is repurposed as a fuel supply or landscaping mulch product.

Appalachian's contractor utilizes similar equipment and methods for debris removal.

A multi-purpose work boat is also utilized on Leesville Lake to aid in the removal of smaller solitary items such as dead animals, solitary logs, floating docks, etc.

As previously stated, Appalachian is to remove and properly dispose of debris from the Project reservoir that creates safety hazards, interferes with public access to public recreation facilities, or results in adverse aesthetic impacts. Appalachian must address, through the year, recreational hazards created by floating debris resulting from high flow events, including not only the removal of floating debris immediately after the high flow event, but also removal of floating debris created by dislodged debris on an ongoing basis after the event has occurred. While complying with these license requirements, Appalachian's debris removal crew also removes debris from coves and shorelines in an effort to be proactive and efficient in its use of time and expenditures.

With the implementation of the new license in 2010, the public began reporting debris directly to Appalachian either through Appalachian's website (www.smithmountainproject.com) or by calling Appalachian's toll-free Customer Operations Center. Use of the website allows submission of information by the user, which results in an email to appropriate Appalachian staff. The Tri-County Lakes Administrative Commission (TLAC), a joint county lake administrative organization, regularly makes debris reports on behalf of citizens, and does so via Appalachian's website.

Appalachian's Customer Operations Center is staffed 24 hours a day, seven days a week and 365 days a year. The Customer Operations Center requests information from the caller pertaining to the location (address, area of the lake or closest lateral mark) and type of debris observed. The Customer Operations Center then sends an email to Hydro personnel, providing the information. This information is then entered into a database and, along with the information obtained during the monthly debris surveys, is utilized in determining the appropriate locations for staging equipment. Each month following the debris survey, Appalachian staff consults with the Debris Technical Review Committee on the proposed location(s) for debris removal.

Appendix A includes a table of the calls and debris reports via the website (including those entered by TLAC) or the Customer Operations Center. In 2022, over 400 debris reports were recorded; of that number, approximately 65% pertained to Smith Mountain Lake and 35% pertained to Leesville Lake. As indicated on the table in Appendix A, some of the reports are duplicates. Reports of debris are beneficial in determining where to focus crew

and/or contractor operations. Note that it is often not possible to give a specific date when debris was removed from a given reported location due to the mobile nature of floating debris. Also note that it may not be possible to know what debris was associated with routine monthly debris removal (April-October) versus post-high flow debris removal, or whether or not the debris removed was a license requirement.

3.0 Summary of debris removal efforts that take place outside of the license or by other parties

The Virginia Department of Transportation (VDOT) does, on occasion, remove debris from the Blackwater River that has accumulated at Brooks Mill Bridge (Route 834). VDOT did not remove debris from the Brooks Mill Bridge in 2022.

In addition to VDOT, contractors, and volunteers (both on the cleanup days and throughout the year), it should be recognized that the Smith Mountain Marine Volunteer Fire and Rescue (SMMVFR) assists in retrieving floating logs and solitary items such as floating docks from the main channel and securing them to the shoreline for subsequent removal by Appalachian.

4.0 Summary of Volunteer Lake Cleanup Efforts

Volunteer cleanup efforts were conducted during 2022 on both lakes. As previously noted, the amount of debris listed in Section 2.0 includes amounts removed during the cleanup efforts. Summaries of each volunteer event are provided below.

In addition to scheduled/organized events, individual property owners are observed throughout the year removing trash and floating debris. Numerous stockpiles of natural wood debris are visible along the shorelines of the lakes, where property owners are waiting for the wood to dry and for fire bans to be lifted before having bonfires along the lakes' edge. Also, Appalachian installed a pole in Leesville Lake in a cove near the public recreation area where floating debris may be tied off for later retrieval by Appalachian's debris removal crew.

4.1 Take Pride in Smith Mountain Lake

The 2022 Take Pride in Smith Mountain Lake cleanup event was again held throughout the month of May. Individual groups comprised of residents and businesses held their own events and were provided with clean up supplies. There were a total of 12 debris collection reports with 128 participants. The cleanup efforts covered approximately 25.4 miles and resulted in over 4 tons of trash and debris removed for disposal.

4.2 Leesville Lake Beautification Day

The Leesville Lake Beautification Day was held on June 11, 2022. Participants removed approximately 47 tons of debris, which was offloaded at three locations on the lake. Appalachian's debris removal crew also participated and staged its barge at the location requested by the Leesville Lake Association Beautification Day representative. A total of 30 tons of debris was collected on the barge.

5.0 **Summary of Education Efforts**

Section 3.4 of the Debris Management Plan states that Appalachian will work with TLAC, the LLA, and stakeholders to educate the public regarding the impact debris has on recreation, the environment, and aesthetics for both lakes. Educational efforts include newsletters and online articles generated by TLAC and LLA, and the availability of "Frequently Asked Questions" on Appalachian's website (www.smithmountainproject.com). The website includes photographs of the types of debris that may and may not be removed as well as photographs of Appalachian's debris removal equipment.

Additionally, signage is installed at public boat ramps warning the public of potential debris conditions. Also, high flow and/or debris related information was communicated via numerous news releases, media articles, and social media postings (e.g., Appalachian's Smith Mountain Facebook page and Nextdoor).

The brochure entitled *Guidelines for Fish Habitat along Shorelines at Smith Mountain Lake* continues to be distributed. This brochure provides information to property owners on how to create aquatic habitat enhancements utilizing debris recovered from the lake or removed from the shoreline.

Monthly reports indicating debris removal locations, days worked, amounts of debris removed, proposed work locations for the upcoming month, etc. are provided via emails to the Debris Technical Review Committee. TLAC, through its website (<http://sml.us.com/environmental/debris-removal-projects/>), also educates the public regarding debris removal responsibilities.

6.0 **Discussion of the off-load sites utilized to remove debris, an update on status of securing additional sites and alternative methods that are identified**

The following off-load sites were utilized by Appalachian or its contractor during 2022:

Smith Mountain:

- VDOT ramp at end of State Road (Webster Road) on Blackwater River
- Camp Kilowatt – private Appalachian-owned property on Blackwater River
- Waterwheel Marina – private commercial ramp on Roanoke River

Penn Hall – private Appalachian-owned property on Bull Run

Leesville:

Leesville Dam

Private property owner ramp (Three Pipes)

A map showing the off-load sites utilized in 2022 is included as Appendix B.

The off-load sites utilized during 2022 were sufficient for addressing debris removal throughout the year. However, on August 14, 2020, and supplemented on September 10, 2020, Appalachian filed to amend the Debris Management Plan to add a debris off-load site at the Myers Creek Public Boat Access Facility at the Project's Leesville Development. The Commission issued its order approving modification of the plan to add this site on September 16, 2020. Construction of the Myers Creek debris off-load site is expected begin pending completion of permit issuance by Pittsylvania County, Virginia. Additional sites may be considered at both developments in the future to improve off-loading efficiency.

Appalachian utilized dedicated lake crews and equipment in 2022. Appalachian's contractor performed debris removal on both lakes.

7.0 Summary of evaluation of sites for possible debris diversion and collection devices

None of the sites currently utilized for debris off-loading are considered to be conducive to installing debris diversion and collection devices as they are private ramps, state-managed public ramps, or located in an area that does not receive heavy debris during high flow events. In 2020, Appalachian expanded its efforts to evaluate the feasibility of debris diversion and collection devices as described in Section 3.2 of the Debris Management Plan and to monitor the availability of lands in the area of the Pigg River, a major contributor of debris on Leesville Lake. Appalachian's evaluation of possible debris diversion and collection measures includes engineering and cost-benefit analysis, impacts to surrounding properties, navigation, safety concerns, permitting implications, environmental impacts, and site access. Appalachian continues to conduct exploratory efforts regarding the feasibility and permitting requirements of a debris diversion/collection measures. Should it seem feasible to consider the installation of a debris diversion and collection measures after review of the above described environmental and engineering considerations, debris diversion and collection measures supported by Appalachian, TLAC, LLA, and other stakeholders will be considered. Pursuant to the Debris Management Plan, prior to implementation, any proposed plans for debris diversion devices or collection devices will be filed with the Commission for review and approval.

8.0 Details of any plans that require Commission approval including costs and implementation schedule

There are no plans at this time that require Commission approval.

9.0 Proposed Modifications to the Plan

There are no proposals to modify the DMP at this time.

10.0 Consultation Documentation

The annual Debris Technical Review Committee meeting was held on April 26, 2022. Meeting notes are included in Appendix C.

A draft copy of the 2022 Smith Mountain Project Debris Management Plan Annual Report was forwarded to the Debris Technical Review Committee for a 30 day review period on March 1, 2023. Copies of the correspondence are included in Appendix C.

Appendix A

Debris Reports

Date/License Requirement	Lake/River or Creek/Location/Address	Type of Debris	Date Removed or Resolved	Notes
1/10/2022/No	Smith Mountain/Craddock Creek/C3A	Large tree under dock	2/14/2023	
1/13/2022/No	Smith Mountain/Gills Creek/G10	Old dock	4/5/2022	
1/14/2022/Yes	Smith Mountain/Roanoke/R43	Large trees and logs	6/5/2022	
1/18/2022/Yes	Leesville//MM1-MM2	Large logs	Not found 1/26/2022	
1/19/2022/No	Smith Mountain/Roanoke/R30	Tree	4/3/2022	Duplicate report contacted on 9/7/2021/
1/20/2022/No	Smith Mountain/Roanoke/R31	Floating dock	4/3/2022	
1/26/2022/No	Leesville//MM2	16x10 foot log	3/15/2022	
1/31/2022/No	Smith Mountain/Roanoke/R13	Floating dock with yard debris on it	2/16/2022	
2/5/2022/No	Smith Mountain/Roanoke/R27	Floating jet ski dock	4/5/2022	
2/6/2022/No	Smith Mountain/Roanoke/R13	Full tree and branches 20-25 feet	4/4/2022	
2/6/2022/No	Smith Mountain/Roanoke/R47	Large tree and logs	6/3/2022	
2/6/2022/No	Smith Mountain/Roanoke/R30	40-50 foot tree	2/16/2022	
2/7/2022/Yes	Smith Mountain/Roanoke/R26-27	Floating dock with wood debris on top	2/16/2022	
2/7/2022/Yes	Smith Mountain/Roanoke/R25	Floating dock	2/16/2022	Duplicate Report
2/10/2022/No	Smith Mountain/Roanoke/R30	Large tree	2/16/2022	DuplicateReport
2/11/2022/No	Smith Mountain/Witcher Creek/W1	Tree fallen in water still attached to shore		Forward to Shoreline Management 2/15/2022/
2/18/2022/No	Smith Mountain/Blackwater/B29	Piece of wood size of a door	4/5/2022	Duplicate report sent 2/18/2022 did not enter in DB
2/28/2022/Yes	Smith Mountain/Blackwater/B10A	Dead deer	3/2/2022	
3/2/2022/Yes	Smith Mountain/Roanoke/R31	Long dock floater	4/1/2022	

Date/License Requirement	Lake/River or Creek/Location/Address	Type of Debris	Date Removed or Resolved	Notes
3/2/2022/Yes	Smith Mountain/Blackwater/B10A	Dead deer	3/2/2022	Duplicate - First reported 2/28/2022 by 911 dispatch/
3/2/2022/Yes	Smith Mountain/Blackwater/B10A	Dead deer	3/2/2022	Duplicate - First reported 2/28/2022 by 911 dispatch/
3/7/2022/No	Smith Mountain/Roanoke/R58	Trash, tennis balls, branches, brush	4/1/2022	
3/7/2022/No	Smith Mountain/Roanoke/R47	tremendous amounts of fallen trees laying in lake	4/1/2022	
3/11/2022/No	Smith Mountain/Gills Creek/G10	Dock	4/6/2022	
3/17/2022/No	Smith Mountain/Roanoke/R36	substantial amount of huge logs in cove	6/3/2022	
3/17/2022/No	Smith Mountain/Blackwater/B43	Logs brush stumps	4/12/2022	
3/24/2022/Yes	Smith Mountain/Blackwater/B49	Trees, stumps, trash	Not found 4/12/22	
3/25/2022/Yes	Smith Mountain/Blackwater/B37	Two larger trees one is approximately 60 feet e	4/5/2022	
3/25/2022/No	Smith Mountain/Roanoke/R49	24' Floating Dock	3/25/2022	
3/25/2022/No	Smith Mountain/Roanoke/R30	large tree limb with branches	6/10/2022	
3/26/2022/Yes	Smith Mountain/Blackwater/B46	Logs	4/12/2022	
3/28/2022/No	Smith Mountain/Roanoke/R27	Large logs - tree parts, junk		Debris Inaccessible. Back of cove shallow water/
3/31/2022/Yes	Smith Mountain/Blackwater/B46	Logs, branches etc	4/21/2022	
4/1/2022/Yes	Smith Mountain/Blackwater/B12	8ft x 10ft floating dock	3/31/2022	

Date/License Requirement	Lake/River or Creek/Location/Address	Type of Debris	Date Removed or Resolved	Notes
4/1/2022/Yes	Smith Mountain/Roanoke/R30	Tree and logs	4/1/2022	
4/3/2022/Yes	Smith Mountain/Roanoke/R13	Old trunk and stump 8' x 30'	4/4/2022	
4/3/2022/Yes	Smith Mountain/Witcher Creek/W1	Dead Deer	4/4/2022	
4/4/2022/Yes	Smith Mountain/Roanoke/R13	Tree trunk	4/4/2022	
4/4/2022/Yes	Leesville//MM2	floating wooden pallet	Not found 4/6/2022	
4/5/2022/Yes	Leesville//MM1.5	Branches and trash floating	Not found 4/6/22	
4/5/2022/Yes	Leesville//MM10.5	Huge 20ft tree with massive rootball	5/12/2022	
4/14/2022/Yes	Smith Mountain/Roanoke/R47	tremendous amount of fallen trees	6/3/2022	
4/15/2022/Yes	Smith Mountain/Gills Creek/G10	logs of varying size, some trash, etc.	Cannot reach (deep water 5/16/2022)	
4/17/2022/Yes	Smith Mountain/Roanoke/R2	Hazard marker in cove	Not found 4/21/2022	
4/17/2022/Yes	Smith Mountain/Roanoke/R47	Long tree trunk plus dead Ash tree	6/3/2022	
4/18/2022/Yes	Smith Mountain/Blackwater/B42	Dock	Not found 4/25/2022	
4/19/2022/Yes	Smith Mountain/Roanoke/R58	trash, tennis balls, branches, brush	6/3/2022	
4/19/2022/Yes	Smith Mountain/Roanoke/R36	substantial amount of huge logs and debris	6/3/2022	
4/20/2022/No	Smith Mountain/Blackwater/B23	Possibly old dock	Cannot reach (Deep water) 5/17/2022	
4/25/2022/Yes	Smith Mountain/Blackwater/B25	Trees in cove	5/17/2022	

Date/License Requirement	Lake/River or Creek/Location/Address	Type of Debris	Date Removed or Resolved	Notes
4/25/2022/Yes	Smith Mountain/Roanoke/R37A	Brush, branches, trees, assorted debris mix	6/3/2022	
4/26/2022/Yes	Smith Mountain/Roanoke/R47	Limbs	6/3/2022	
4/28/2022/Yes	Leesville//MM10.5	Huge 20ft tree with massive rootball	5/12/2022	
5/2/2022/Yes	Smith Mountain/Roanoke/R30	Huge log	6/3/2022	Initial report: Reported again on 5/24/2022/
5/4/2022/Yes	Leesville//MM8	Several logs and a stump	5/12/2022	
5/5/2022/Yes	Leesville//MM2-MM3	Floating logs, branches, misc debris	5/5/2022	
5/6/2022/Yes	Leesville//MM10.5	Huge 20ft tree with massive rootball	5/12/2022	
5/6/2022/No	Smith Mountain//B41	Fallen oak tree still attached blocking dock		N/A Forwarded to Shoreline 5/6/2022/
5/9/2022/Yes	Smith Mountain/Blackwater/B46	Trees/brush	5/17/2022	
5/9/2022/Yes	Smith Mountain/Beaver Dam/BE7-9	Misc. trash	Scheduled for 2023	Beaver Dam scheduled for 2023
5/13/2022/Yes	Smith Mountain/Roanoke/R30	40 foot tree	6/29/2022	
5/13/2022/No	Smith Mountain/Gills Creek/G2	Unsure??	N/A	Sitting on bottom - cannot reach (Deep Water) 5/17/2022/
5/14/2022/Yes	Smith Mountain/Roanoke/R49	Large logs	Contractor working in area 6/3/22	
5/14/2022/Yes	Smith Mountain/Blackwater/B46	Tree trunks, logs secured to dock	5/17/2022	
5/17/2022/Yes	Smith Mountain/Roanoke/R47	Tremendous amount of fallen trees	Contractor worked area 6/3/22	
5/17/2022/Yes	Smith Mountain/Gills Creek/G9	Logs	5/17/2022	

Date/License Requirement	Lake/River or Creek/Location/Address	Type of Debris	Date Removed or Resolved	Notes
5/18/2022/Yes	Leesville//MM13.5	Large trees clusters of debris	Not found 5/19/22	
5/19/2022/Yes	Leesville//MM8	25' Log blocking ramp	5/19/22	
5/19/2022/Yes	Leesville//MM13.5	Large submerged tree clusters of debris	Not found 5/19/22	
5/20/2022/Yes	Smith Mountain/Bettys Creek/R26	Large tree trunk 10' long	Contractor worked area 8/18/22	
5/20/2022/Yes	Leesville//MM13.5	Signficient amount of debris and lg trees	Item not found 7/6/22	
5/21/2022/No	Smith Mountain/Roanoke/R76	Large amounts of trash, plastic, styrofoam, barrel		
5/23/2022/Yes	Leesville//MM10.5	Two lg logs tied to shoreline	6/8/2022	
5/24/2022/Yes	Smith Mountain/Roanoke/R36	Substantial amount of huge logs and debris in cove	6/3/2022	
5/24/2022/Yes	Smith Mountain/Roanoke/R30	Log	6/3/2022	
5/24/2022/Yes	Smith Mountain/Beaver Dam/BE7	Logs, wood pieces, tree debris	Beaver Dam scheduled for 2023	
5/24/2022/Yes	Smith Mountain/Roanoke/R27	Logs, flip flops, trash, branches	6/3/2022	
5/26/2022/Yes	Smith Mountain/Roanoke/R58	Tires, trees, brush	6/3/2022	
5/28/2022/Yes	Smith Mountain/Roanoke/R30	Tree across the cove	6/10/2022	
5/30/2022/No	Smith Mountain/Gills Creek/Past G10	Heavy Logs		

Date/License Requirement	Lake/River or Creek/Location/Address	Type of Debris	Date Removed or Resolved	Notes
5/31/2022/No	Smith Mountain/Roanoke/R28	Large tree fallen across cove - storm damage	Tree not blocking cove or docks	
5/31/2022/Yes	Smith Mountain/Blackwater/B44	Large logs, sticks	6/1/2022	
5/31/2022/Yes	Smith Mountain/Roanoke/R50	Floating dock	Not found 6/3/22	
5/31/2022/Yes	Smith Mountain/Blackwater/B49	Trees floating in circle, island made of wood	6/1/2022	
5/31/2022/Yes	Leesville//MM2	Three large logs on shore	6/6/2022	
5/31/2022/Yes	Leesville//MM6-7	Driftwood	6/6/2022	
5/31/2022/No	Smith Mountain/Roanoke/R27A	Construction work - debris getting into lake	Status unknown; research underway	
6/1/2022/Yes	Smith Mountain/Blackwater/B48	Logs	6/1/2022	
6/1/2022/Yes	Smith Mountain/Blackwater/B49	Wood, logs, bottles	6/1/2022	
6/1/2022/Yes	Smith Mountain/Blackwater/B12	Floating Dock	Tied to ramp 6/21/22	
6/1/2022/Yes	Smith Mountain/Blackwater/B48	Trees and logs	6/14/2022	
6/1/2022/Yes	Smith Mountain/Roanoke/R34A	Dead dog	Not found 6/3/22	
6/2/2022/Yes	Leesville//MM8	Hundreds of large logs	6/7/22 and 6/8/22	
6/2/2022/Yes	Smith Mountain/Blackwater/B49	Trees floating in circle, island made of wood	6/14/2022	
6/2/2022/No	Smith Mountain/Roanoke/R27	Dead deer	6/3/2022	
6/3/2022/No	Smith Mountain/Roanoke/R27	Dead deer	6/3/2022	Duplicate Report
6/4/2022/Yes	Smith Mountain/Blackwater/B35	Floating Dock	7/25/2022	
6/6/2022/Yes	Leesville//MM2	Multiple large trees	6/7/2022 and 6/8/2022	
6/6/2022/No	Smith Mountain/Blackwater/B11	Log under dock steps	6/6/2022	
6/6/2022/No	Smith Mountain/Roanoke/R37	Large trees being cut down and falling into lake		Forward to Shoreline Management 6/6/2022/

Date/License Requirement	Lake/River or Creek/Location/Address	Type of Debris	Date Removed or Resolved	Notes
6/6/2022/No	Leesville//MM10.5	additional logs tied up, huge log free floating	6/9/2022	
6/7/2022/Yes	Smith Mountain/Roanoke/R32	Large stump	Worked area 6/10/22	
6/7/2022/Yes	Smith Mountain/Roanoke/R27	Logs, flip flops, trash, branches	Worked area 8/18/22	
6/8/2022/Yes	Smith Mountain/Roanoke/R50	Floating Dock	Not found 6/3/22	
6/8/2022/Yes	Leesville//MM8	Debris mat of mixed wood	6/9/2022	
6/8/2022/Yes	Leesville//MM10.5	Mixed debris	6/9/2022	
6/8/2022/Yes	Leesville//MM10.5	Mixed debris	6/9/2022	
6/8/2022/No	Smith Mountain/Gills Creek/G10	Large tree limbs		
6/9/2022/Yes	Leesville//MM8	large poplar tree	6/9/2022	
6/10/2022/Yes	Leesville//MM13.5	Large trees and clusters of debris	Not found 6/21/22	
6/10/2022/No	Smith Mountain/Roanoke/R58	Trash, tennis balls, branches, brush	6/29/2022	
6/10/2022/No	Smith Mountain/Blackwater/B41	Fallen oak tree still attached blocking dock	Tree originated above 800 foot elevation contour and not blocking dock	
6/10/2022/Yes	Smith Mountain/Roanoke/R37A	Two coves full of debris	6/27/2022	
6/12/2022/No	Smith Mountain/Roanoke/R30	Tree under dock	6/29/2022	Duplicate Report:
6/13/2022/Yes	Leesville//MM13.4-13.7	Large trees and clusters of debris	Not found on 7/8/2022	
6/13/2022/Yes	Leesville//MM3	Large log	6/13/2022	
6/13/2022/No	Leesville//MM13.4	Large trees and clusters of debris	Not found on 7/8/2022	
6/13/2022/No	Leesville//MM8.5	Large trees and clusters of debris	Not found on 7/8/2022	
6/13/2022/No	Leesville//MM8.7-9	Large trees and clusters of debris	Not found on 7/8/2022	

Date/License Requirement	Lake/River or Creek/Location/Address	Type of Debris	Date Removed or Resolved	Notes
6/14/2022/Yes	Smith Mountain/Roanoke/R42-Bay Roc	Logs, wood, scattered debris	Not found on 7/6/2022	
6/15/2022/No	Smith Mountain/Roanoke/R25	3 large tree limbs near dock and rip rap	Not found on 8/16/2022	
6/17/2022/No	Leesville//MM10.5	large long tree with root ball	Lake Crew worked area 8/8/22	
6/18/2022/No	Smith Mountain/Roanoke/R30	20 foot dead tree under dock	6/24/2022	
6/21/2022/Yes	Leesville//MM2	two large logs	Not found 8/30/23	
6/21/2022/Yes	Smith Mountain/Roanoke/R30	Tree	6/29/2022	3rd report/
6/21/2022/No	Smith Mountain/Roanoke/R30	20 foot dead tree under dock	6/24/2022	Initial Report: 2nd report submitted 2 minutes later/
6/22/2022/No	Smith Mountain/Roanoke/R20	Large dock	6/29/2022	Stuck under stationary portion of their dock/
6/23/2022/Yes	Leesville//MM8	Mixed wood debris	6/23/2022	
6/23/2022/Yes	Smith Mountain/Blackwater/B47-48	Large trees on shoreline near dock	6/29/2022	
6/23/2022/Yes	Smith Mountain/Gills Creek/G2	Single large log	7/28/2022	
6/25/2022/Yes	Smith Mountain/Roanoke/R61	Large tree	Status unknown at this time; will continue to research	
6/25/2022/Yes	Smith Mountain/Roanoke/R36	Dead deer	Not found 6/27/2022	
6/26/2022/Yes	Smith Mountain/Roanoke/R37A	Dead deer	Not found 6/27/2022	
6/27/2022/Yes	Leesville//MM2-3	Big debris field	Not found 7/7/2022	
6/27/2022/Yes	Leesville//MM1.5	Multiple large logs	Not found 7/7/22	
6/27/2022/Yes	Leesville//MM7-9	Mixed wood, logs	7/13/2022	
6/27/2022/Yes	Leesville//MM7-9	Mixed wood, logs	7/13/2022	
7/1/2022/Yes	Smith Mountain/Roanoke/R39	5-7 logs tied to tree in cove	Status unknown, will continue to research	
7/4/2022/Yes	Smith Mountain/Roanoke/R21A	Floating dock	7/25/2022	

Date/License Requirement	Lake/River or Creek/Location/Address	Type of Debris	Date Removed or Resolved	Notes
7/5/2022/Yes	Leesville//MM8	Logs tied near MM8	7/19/2022	
7/5/2022/Yes	Leesville//MM1.8	3 lg logs ties to shore	7/20/2022	
7/5/2022/Yes	Leesville//MM8	100's of large trees in main channel and both shor	Not found 7/20/2022	
7/5/2022/Yes	Leesville//MM9	Whole trees, root balls, massive entangled islands	Not found 7/20/2022	
7/5/2022/Yes	Leesville//MM1	Large logs floating between Old womans Ck and Goat	Not found 7/20/2022	
7/6/2022/Yes	Smith Mountain//R11A	Dead deer	Removed by Property Owner 7/6/2022	
7/6/2022/No	Smith Mountain/Gills Creek/G10	Logs, wood debris		
7/7/2022/No	Leesville//MM13.4	Large trees and clusters of debris	Not found 7/26/2022	
7/8/2022/No	Leesville//MM13.4	3 Large trees tangled in silver double dock	Not found on 7/26/22	
7/8/2022/Yes	Smith Mountain/Roanoke/R21	Free floating dock	7/25/2022	
7/11/2022/Yes	Leesville//MM8	Several lg logs/trees on shoreline	7/25/2022	
7/11/2022/Yes	Smith Mountain/Roanoke/R32	Lg stump tied to shoreline	Contractor working in area 8/18/2022/	
7/12/2022/Yes	Smith Mountain/Roanoke/R13	Debris removed from main channel tied to dock	7/12/2022	

Date/License Requirement	Lake/River or Creek/Location/Address	Type of Debris	Date Removed or Resolved	Notes
7/13/2022/Yes	Leesville//MM1.5	log tied to dock	8/5/2022	
7/13/2022/Yes	Leesville//MM13.4	Lots of debris as result of storms	8/14/2022	
7/14/2022/Yes	Smith Mountain/Blackwater/B46	Trees and sticks	8/9/2022	
7/14/2022/Yes	Smith Mountain/Roanoke/R30	Tree across cove	Contractor worked in area 8/18/22	
7/15/2022/Yes	Leesville//MM9	large logs, trees submerged logs	Not found 7/26/22	
7/15/2022/Yes	Leesville//MM2	Tree with limbs	Not found on 8/30/22	
7/15/2022/Yes	Leesville//MM11.5	Several trees along shoreline Myers Creek	Not found 7/26/22	
7/18/2022/Yes	Leesville//MM2	Large log in middle of lake	Not found 7/26/22	
7/18/2022/Yes	Leesville//MM8	Large and small logs	Not found 7/26/22	
7/19/2022/Yes	Leesville//MM12	Large tree caught on island near Tolar Bridge	Lake Crew worked area on 7/26/22	
7/19/2022/Yes	Smith Mountain/Walton creek/R21	Floating dock	7/25/2022	
7/19/2022/Yes	Leesville//MM10-14	Large trees and large clusters of debris	Lake Crew worked area 7/26/2022/	
7/19/2022/No	Leesville//MM1.5	Large log and debris	Not found on 8/22/22	
7/19/2022/No	Leesville//MM11	Lots of debris piled up on sandbar	Lake Crew worked area 7/26/22	
7/20/2022/Yes	Leesville//MM8	Large and small logs	Lake Crew worked area 7/25/22	
7/20/2022/Yes	Smith Mountain/Grimes Creek/R39	Log	P/O stated no hurry - were secured. Not worked/	

Date/License Requirement	Lake/River or Creek/Location/Address	Type of Debris	Date Removed or Resolved	Notes
7/20/2022/No	Smith Mountain/Roanoke/R60	Lg tree has fallen across rip rap and sidewalk	Forwarded to Shoreline Management Group	
7/20/2022/No	Smith Mountain/Roanoke/R47	Hugh tree. Collection of debris in cove	Previously worked this area 6/3/22	
7/20/2022/No	Leesville//MM2-3	Debris in cove	Not found 8/3/22	
7/21/2022/No	Leesville//MM10.5	Large long tree with root ball	Duplicate report. Lake Crew worked area on 8/8/22	
7/21/2022/No	Leesville//MM2	2 large logs on shoreline	Not found 8/3/22	
7/21/2022/Yes	Smith Mountain/Grimes Creek/R39	Captured another log	P/O stated no hurry - were secured. Not worked/	
7/22/2022/Yes	Leesville//MM12.5	Large trees and clumps of branches and a dock	Not found on 8/22/22	
7/24/2022/Yes	Smith Mountain/Blackwater/B25	Large cut log	Not found on 7/28/22	
7/25/2022/Yes	Smith Mountain/Roanoke/R32	Dead deer	Not found on 7/27/22	
7/26/2022/No	Smith Mountain/Roanoke/R20	Large dock stuck under stationary dock and walkway	8/18/2022	
7/26/2022/No	Smith Mountain/Roanoke/R37A	Logs floating at shoreline	Status Unknown; continuing to research	
7/26/2022/Yes	Smith Mountain/Roanoke/R27	Large logs, wood debris, trash	8/18/2022	
7/26/2022/Yes	Smith Mountain/Beaver Dam/BE7	Logs, wood pieces, tree debris	Beaver Dam scheduled for 2023	

Date/License Requirement	Lake/River or Creek/Location/Address	Type of Debris	Date Removed or Resolved	Notes	
7/30/2022/Yes	Smith Mountain/Blackwater/B29	Log	7/31/22		
8/1/2022/Yes	Leesville//MM1-3	Massive debris field	Not found 8/22/22		7/31/2022
8/1/2022/Yes	Leesville//MM13.5	Large debris field	Not found 8/22/22		
8/1/2022/Yes	Leesville//MM9	large logs, trash	Not found 8/22/22		
8/1/2022/Yes	Leesville//MM2	Lots of debris in LL Marina area	Not found on 8/22/22		
8/1/2022/No	Smith Mountain/Roanoke/R6	Foam filled barrel	Could not locate 8/15/22		
8/1/2022/No	Smith Mountain/Roanoke/R6	Barrel	Not found on 8/15/22		
8/3/2022/Yes	Leesville//MM13.5	Large debris field	Not found on 8/22/22		
8/4/2022/Yes	Leesville//MM8	Large trees along shoreline since July 4	Lake Crew worked area 8/8/22		
8/5/2022/Yes	Smith Mountain/Roanoke/R32	Logs in back of cove	8/18/2022		
8/8/2022/Yes	Leesville//MM8	Logs tied to MM8	8/17/2022		
8/9/2022/Yes	Smith Mountain/Roanoke/HFB	Dead deer	Not located 8/11/22		
8/9/2022/Yes	Smith Mountain/Blackwater/B43	Tree fallen across cove	8/10/2022		
8/12/2022/Yes	Smith Mountain/Roanoke/R81	Part of floating dock	Not found 9/6/22		
8/12/2022/No	Smith Mountain/Craddock/C6	Silt - runoff from construction site	Bedford County		
8/13/2022/Yes	Smith Mountain/Blackwater/B33	Log	Not found 9/15/22		
8/18/2022/Yes	Smith Mountain/Roanoke/R39	5-7 Logs tied to tree in cove	Status unknown at this time; will research		
8/22/2022/Yes	Leesville//MM9	Large logs and trees islands of debris	Not found 8/25/22		
8/22/2022/Yes	Leesville//MM1	Lots of debris in middle of lake	Not found 8/30/22		

Date/License Requirement	Lake/River or Creek/Location/Address	Type of Debris	Date Removed or Resolved	Notes
8/22/2022/Yes	Leesville//MM8	25-30' log tied to MM8	8/25/2022	
8/23/2022/Yes	Smith Mountain/Roanoke/R61	20 log tied to shore	Status unknown at this time; will research	
8/24/2022/Yes	Leesville//MM8	Debris in main channel	Not found 8/30/22	
8/24/2022/No	Smith Mountain/Blackwater/B48	Logs	12/1/2022	
8/24/2022/No	Leesville//MM1.5	Trees fallen into water still attached to shore		
8/29/2022/Yes	Leesville//MM1-3	Debris from July	Not found 8/29/22	
8/29/2022/No	Smith Mountain/Gills Creek/G4	Dead deer	8/29/22 Not in the water but in PO's yard	
9/2/2022/Yes	Smith Mountain/Craddock Creek/C6	Dead deer	Not found 9/6/22	
9/3/2022/Yes	Smith Mountain/Roanoke/R50	Logs, tires,	Status unknown at this time; will continue to research	
9/6/2022/Yes	Leesville//MM9	Telephone pole sized logs and trees	Not found 9/28/22	
9/6/2022/No	Leesville//MM2-3	Wood debris in cove	Not accessible 10/18/2022 shallow water/	
9/6/2022/Yes	Smith Mountain/Roanoke/R25	Dead deer	9/6/2022	
9/8/2022/Yes	Smith Mountain/Roanoke/R54	Log 8-10 inches in diameter	Not found 9/8/22	
9/9/2022/Yes	Leesville//MM8	Large trees along shoreline since July	Not found on 9/28/22	
9/14/2022/Yes	Leesville//MM8	Logs tied to MM8	9/28/2022	
9/14/2022/Yes	Smith Mountain/Blackwater/B34	Dead deer	9/15/2022	

Date/License Requirement	Lake/River or Creek/Location/Address	Type of Debris	Date Removed or Resolved	Notes
9/19/2022/Yes	Leesville//MM8	Mixed wood debris	Worked area when?	
9/19/2022/No	Leesville//MM8	Vertical tree under dock		
9/19/2022/Yes	Smith Mountain/Roanoke/R27	Dead deer	9/21/2022	
9/21/2022/Yes	Smith Mountain/Roanoke/R28	Dead deer	9/21/2022	
9/22/2022/No	Leesville//MM2	Sticks	Not found 10/18/22	
9/24/2022/Yes	Smith Mountain/Blackwater/B19	Dead deer	Not found on 9/26/22	
9/26/2022/Yes	Smith Mountain/Blackwater/B23	Floating dock	Status unknown at this time; will continue to research	
10/4/2022/Yes	Smith Mountain/Bull Run/BR3	Dead deer	10/6/2022	
10/5/2022/No	Smith Mountain/Gills Creek/G10	Tree limb		
10/6/2022/Yes	Leesville//MM13	Large log lodged in bottom	10/17/2022	
10/6/2022/Yes	Smith Mountain/Blackwater/B46	Large amount of debris in cove	11/29/2022	
10/7/2022/No	Smith Mountain/Gills Creek/G10	Reporting second log in same location		
10/11/2022/Yes	Leesville//MM8	2 Logs tied to MM8	10/17/2022	
10/19/2022/No	Smith Mountain/Craddock Creek/C3A	Trees under dock		
10/24/2022/Yes	Smith Mountain/Blackwater/B46	Large amount of debris in cove	11/29/2022	
10/31/2022/Yes	Leesville//MM8	1 Large tree at shoreline		
10/31/2022/Yes	Smith Mountain/Blackwater/B19	Dead deer	11/1/2022	
11/3/2022/Yes	Smith Mountain/Roanoke/R11	Floating dock tied to shore	Status unknown at this time; will continue to research	
11/4/2022/Yes	Smith Mountain/Roanoke/R33	Piling/Log	11/10/2022	
11/5/2022/Yes	Smith Mountain/Roanoke/R33	Piling/Log	11/10/2022	

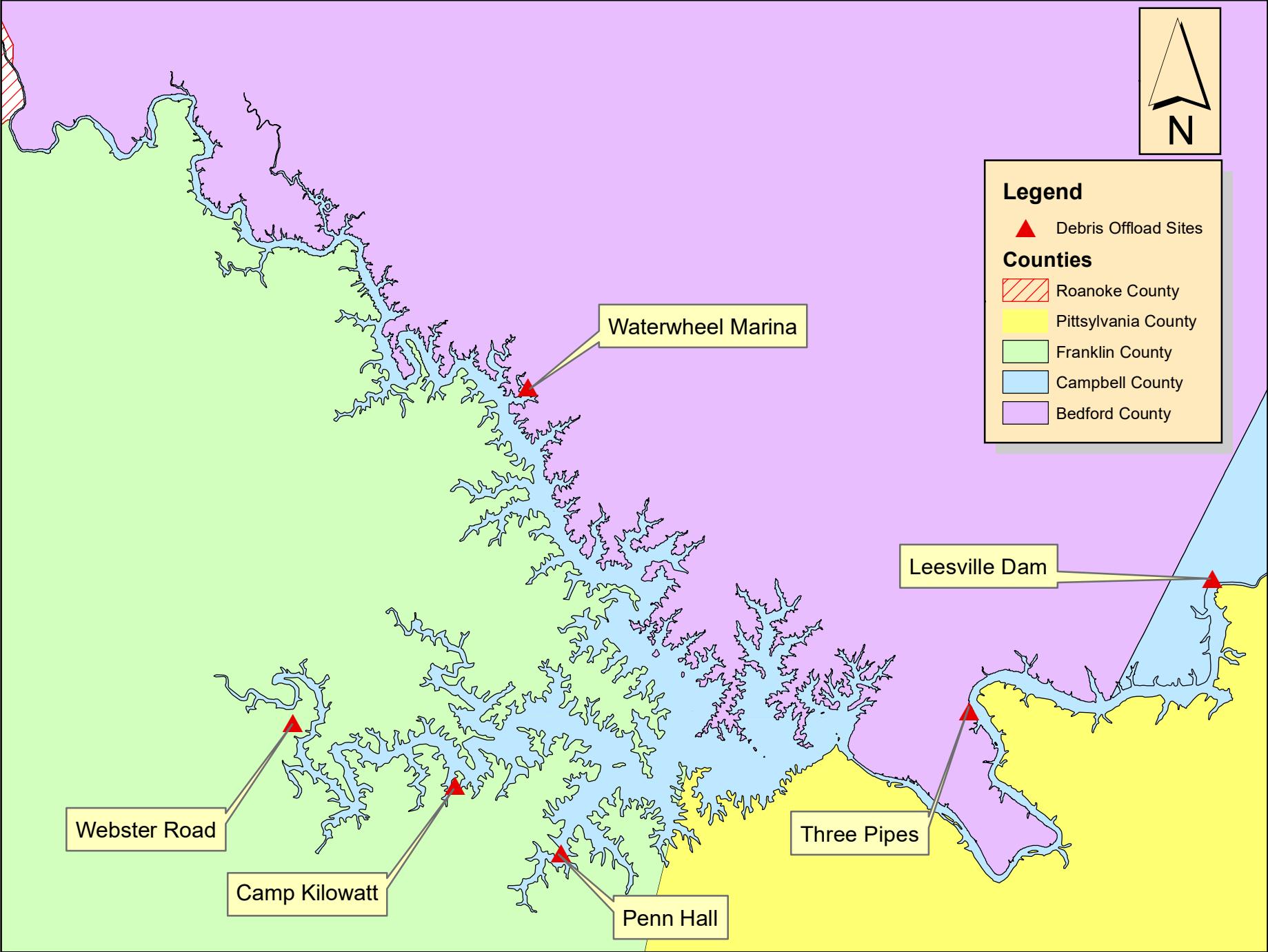
Date/License Requirement	Lake/River or Creek/Location/Address	Type of Debris	Date Removed or Resolved	Notes
11/7/2022/Yes	Smith Mountain/Roanoke/R33	Log	11/18/2022	
11/12/2022/Yes	Smith Mountain/Blackwater/B48	Large trees and debris	12/1/2022	
11/12/2022/Yes	Smith Mountain/Blackwater/B48	Log and branches	12/1/2022	
11/13/2022/Unknown	Smith Mountain/Roanoke/R27	Large tree trunk	Status unknown; will continue to research	
11/14/2022/No	Smith Mountain/Craddock Creek/C3A	Large tree under dock		
11/14/2022/Yes	Smith Mountain/Blackwater/B46	Woody debris	12/1/2022	
11/15/2022/No	Leesville//MM8	30 foot log tied to shore	Will investigate in 2023	
11/17/2022/Yes	Smith Mountain/Roanoke/R34	Piling	11/18/2022	
11/25/2022/Yes	Smith Mountain/Roanoke/R25	Dead deer	Removed; date unknown	
11/26/2022/Yes	Smith Mountain/Roanoke/R27	Dead deer	Removed; date unknown	
11/29/2022/Yes	Smith Mountain/Blackwater/B49	2 Large logs next marker	12/1/2022	
12/4/2022/Yes	Smith Mountain/Blackwater/B48	Debris in cove	Will remove in 2023	
12/6/2022/Yes	Leesville//MM13.5	Large debris field	Not found on 1/3/8/23	
12/6/2022/Unknown	Leesville//MM13.5	Tree across cove	Status unknown at this time; will research in 2023	
12/6/2022/Yes	Smith Mountain/Roanoke/R16	Floating dock	Status u	
12/8/2022/Yes	Leesville//MM1.5?	Debris mat	Not found 1/18/23	
12/12/2022/Yes	Smith Mountain/Blackwater/B49	Debris	Will remove in 2023	
12/13/2022/No	Smith Mountain/Roanoke/R26	Log under dock		
12/19/2022/Yes	Smith Mountain/Craddock Creek/C3A	Large tree under dock	2/14/2023	
12/20/2022/Yes	Smith Mountain/Roanoke/R25	Debris from logging site	Followed up with VA Department of Forestry	
12/30/2022/Yes	Leesville//MM13.5	3 Logs	Not found on 1/3/23	

Date/License Requirement	Lake/River or Creek/Location/Address	Type of Debris	Date Removed or Resolved	Notes
12/30/2022/Yes	Leesville//MM9	Telephone pole sized logs, Root balls, Large mats	Not found on 1/3/23	

Appendix B

Map of Off-load Sites

Smith Mountain Project No. 2210
2022 Debris Off-Load Sites



Appendix C

Consultation

From: [Elizabeth B Parcell](#)
To: [Pam Mcmillan](#); ksage.tlac@sml.us.com; Dan.Wilson@dwr.virginia.gov; rsandersva@verizon.net
Cc: [Edward S Brennan](#); [Anna E Painter](#); [David B Agee](#)
Subject: Smith Mountain Project Debris Management Plan 2022 Annual Report
Date: Wednesday, March 1, 2023 5:34:20 PM
Attachments: [2022 Annual Report 03 01 23 complete file.pdf](#)
[image001.png](#)

Good evening,

Attached please find the draft Smith Mountain Project Debris Management Plan 2022 Annual Report. Please review and let us have the benefit of your comments within 30 days of the date of this email. And as always, let us know if you have any questions.

Liz



ELIZABETH B PARCELL | PROCESS SUPV

EBPARCELL@AEP.COM | D:540.985.2441

40 FRANKLIN ROAD SW, ROANOKE, VA 24011

From: [Elizabeth B Parcell](#)
To: [Edward S Brennan](#)
Subject: Fwd: [EXTERNAL] RE: Smith Mountain Project Debris Management Plan 2022 Annual Report
Date: Friday, March 31, 2023 11:03:10 AM
Attachments: [image002.png](#)
[image003.png](#)
[TLAC Resp Debris Mgmt Ann 2022.pdf](#)

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From: ksage.tlac@sml.us.com <ksage.tlac@sml.us.com>
Sent: Thursday, March 30, 2023 6:18:58 PM
To: Elizabeth B Parcell <ebparcell@aep.com>
Subject: [EXTERNAL] RE: Smith Mountain Project Debris Management Plan 2022 Annual Report

This Message Is From an EXTERNAL Sender

This is an **EXTERNAL** email. **STOP. THINK** before you click links or open attachments. If suspicious, please click the **'Report to Incidents'** button. No button, forward to incidents@aep.com.

Hello Liz,

Attached please find my review of the Debris Management Annual Report for 2022.

Best regards,

Kristina Sage
Executive Director
Tri-County Lakes Administrative Commission
400 Scruggs Road, Suite 200
Moneta, VA 24121
(540) 721-4400



From: Elizabeth B Parcell <ebparcell@aep.com>
Sent: Wednesday, March 1, 2023 5:33 PM
To: Pam Mcmillan <pamaloomc@gmail.com>; ksage.tlac@sml.us.com;
Dan.Wilson@dwr.virginia.gov; rsandersva@verizon.net
Cc: Edward S Brennan <esbrennan@aep.com>; Anna E Painter <aepainter@aep.com>; David B Agee <dbagee@aep.com>
Subject: Smith Mountain Project Debris Management Plan 2022 Annual Report

Good evening,

Attached please find the draft Smith Mountain Project Debris Management Plan 2022 Annual



TRI-COUNTY LAKES ADMINISTRATIVE COMMISSION

400 Scruggs Road, Suite 200

Moneta, VA 24121

Telephone: (540) 721-4400

Leesville Lake

Smith Mountain Lake

March 30, 2023

Ms. Elizabeth B. Parcell
Process Supervisor
Appalachian Power
40 Franklin Rd. SW
Roanoke, VA 24011

Dear Ms. Parcell:

The Tri County Lakes Administrative Commission (TLAC) appreciates the opportunity to comment on Appalachian Power's draft 2022 Debris Management Annual Report for the Smith Mountain Project.

On behalf of the property owners and those who recreate on the lake, we appreciate Appalachian's debris removal efforts in 2022, and we commend all staff and the contractor team for their conscientious work removing debris from Leesville Lake and Smith Mountain Lake. Their continued efforts are appreciated.

Believing this is a valuable service to the community, TLAC is pleased to accept debris reports and follow those reports through closure. We strive to ensure our process for reporting debris to Appalachian on behalf of reporters is both thorough and efficient. TLAC forwards the reported information to Appalachian promptly and communicates with reporters on a continuing basis until the debris is no longer present.

This year Appalachian and TLAC have improved our communication to address debris and clarify the status of open reports in efforts to minimize the number of errant open reports. This is especially helpful when analyzing reports in effort to confirm the disposition of debris. This sharing of information between written report cycles minimizes duplication of submissions to the Appalachian website.

One concern regarding the Debris Management Annual Report is that the table of calls and debris reports provided by APCO totals 258 debris reports (SML-169; Leesville Lake-89). This is a disparity with the written report which indicates a total of over 400 debris reports were recorded. Only 10 reports were noted as duplicates. Please advise how the reports were counted to reach a total of over 400.

For Smith Mountain Lake, TLAC submitted 58 debris reports to Appalachian. One report, though considered closed by Appalachian, requires additional evaluation. Rock marker RK-33 was reported missing by TLAC on 7/17/22. Appalachian reported that it was replaced on 7/18/22, however a resident reported on 8/2/22 and 8/4/22 that they saw the rock protruding from the water while boating, and that the RK-33 marker was not adequately covering the exposed rock posing a hazard to boaters. For the safety of those who recreate on Smith Mountain Lake, it behooves Appalachian and TLAC to have this marker inspected to ensure the boating public is adequately warned of this hazard. If in fact the rock is not adequately marked, RK-33 will need to be moved to better address the hazard.

Another concern on Smith Mountain Lake is Beaverdam Creek: BE7-BE9. One resident initially reported trash, wood pieces, tree debris and logs on May 9, 2022. A second resident reported debris to TLAC on May 14, 2022. Appalachian has indicated the area would be addressed in 2023. While TLAC recognizes the limitations of time and manpower to address debris on the lake, 9 months without removal allows significant time for the debris to potentially cause navigation hazards.

Of the 89 debris reports from Leesville Lake, reported through TLAC to Appalachian, 5 did not appear on the Debris Management Annual Report. Similar to open reports for debris on Smith Mountain Lake, there are several reports for Leesville Lake that were open at the end of the year and noted to be addressed in 2023. On Leesville Lake there were 12 of 89 total debris reports open at the end of the year.

Also of concern is that 40 reports were closed due to the debris having drifted away. TLAC recognizes the special circumstances affecting debris on Leesville Lake. We strive to support the reporters in their eagerness to have debris removed as quickly as possible. The fluctuation of water levels as impacted by power generation cause debris to move frequently after it is reported. This leads to the challenge of specifically confirming the closure of debris removal as reported. Again, while debris awaits removal, the potential to cause navigation hazards remains.

As expressed in response to monthly debris reports, an additional offload site and added crew would benefit the project by increasing the amount and expediency of debris removal from Leesville Lake. TLAC and the property owners at Leesville Lake look forward to development of the Myers Creek Public Boat Access Facility for this purpose.

Additionally, we eagerly anticipate Appalachian's evaluation of possible debris diversion and collection device sites on Leesville Lake, specifically in the area of the Pigg River. Proactively preventing debris from entering the lake will lessen the burden of chasing and removing navigation hazards and aesthetic impacts. We recognize the time constraints of implementing engineering and cost-benefit analysis, impacts to surrounding properties, navigation, safety concerns, permitting implications, environmental impacts and site access, nonetheless we are hopeful that this effort which was expanded in 2020 will yield progress in 2023.

TLAC will continue to review the monthly reports and communicate with Appalachian to facilitate efficient reporting and removal. Information regarding plans for the upcoming month are especially helpful to keep our community advised regarding anticipated closure of open reports. We look forward to continuing to improve communication with Appalachian, lake residents and the lake communities in the Smith Mountain Project for improvement of debris removal management.

Sincerely,

A handwritten signature in blue ink, appearing to read "Kristina Sage", with a stylized flourish extending to the right.

Kristina Sage
Executive Director

From: Pam Mcmillan
To: [Elizabeth B Parcell](#); [Edward S Brennan](#)
Cc: [Dave Rives](#)
Subject: [EXTERNAL] 2022 FERC Annual Report
Date: Wednesday, March 29, 2023 5:11:18 AM
Attachments: [2022 Debris Management Annual Report - Pam Roy Dave Comments 3-26-2023.docx](#)

This is an EXTERNAL email. STOP. THINK before you CLICK links or OPEN attachments. If suspicious, please click the 'Report to Incidents' button. No button, forward to incidents@aep.com.

Dear Liz and Ed,

Please find the following attachment from LLA Debris Committee to be included in the 2022 Annual Debris Management Report to FERC.

If you have trouble viewing this attachment please let me know. As always, thank you for the opportunity to participate.

Have a good week.

Pam McMillan-LLADC Chair

March 28, 2023

**Leesville Lake Association
Consultation
Appalachian Power Company
Smith Mountain Lake Pumped Storage Project, No 2210
Article 411 - Debris Management
2022 Annual Report**

The Leesville Lake Association, Inc. (LLA) through the Leesville Lake Association Debris Committee (LLADC) appreciates the opportunity to comment on the draft Debris Management 2022 Annual Report. The LLA would like to thank Appalachian Power Company (APCo) for their efforts in removing debris from Leesville Lake during 2022. We look forward to the Technical Review Committee meeting and the receipt of the 2023 Overall Plan along with the 2022 Habitat Management Annual Report for review and comment.

As always, we wish to acknowledge the efforts of the lake crew. The team is professional in their work, courteous in their engagements and helpful to the residents around the lake.

The LLA continues to believe that more effort is required by APCo in order to meet the letter and intent of the Operating License through Article 411. We believe that an objective look at the data supports this position. Article 411, Section 1.0, Introduction states: *The purpose of this Debris Management Plan (Plan) is to outline how Appalachian, in cooperation with a number of stakeholders, intends to control the accumulation of natural and man-made debris floating on the surface of both Smith Mountain Lake and Leesville Lake over the term of the next license for the Smith Mountain Project (Project). The goal of this plan is to provide a means to maintain the aesthetic value, reduce access difficulties, and reduce boating hazards related to floating debris for both lakes.*

The Order on Rehearing and Clarification issued September 16, 2010 added clarity: *The licensee shall be responsible for removing, and properly disposing of, debris from the project reservoirs that creates safety hazards, interferes with public access to public recreation facilities, or results in adverse aesthetic impacts, The licensee must address, throughout the year, recreational hazards created by floating debris resulting from high flow events, including not only the removal of floating debris immediately after the high flow event, but also removal of floating debris created by dislodging debris on an ongoing basis after the event has occurred.*

While the inspection and reporting effort regarding debris and the overall lake condition have improved since 2018, the LLA through the LLADC continues to advocate for four (4) essential issues regarding debris management on Leesville Lake:

- 1- Increased Staffing
- 2- Additional Equipment

3- Myer's Creek

4- Pigg River Diversion/Collection Device

Each of these, along with additional concerns/clarifications are described in subsequent paragraphs.

Section 2.0 Summary of the amount of debris removed

1- Increase Staffing: Section 2.0 of the Annual Report has a break-down of the total tonnage of debris removed from both Smith Mountain Lake and Leesville Lake in 2022. The amount of debris removed from Leesville Lake is nearly twice that of Smith Mountain Lake (1,182 tons vs 629 tons). It should be noted that these numbers do not take into account the results from the December 23, 2022 high flow event as removal efforts took place in January 2023. This data stands in stark contrast to the comparison in size of the two lakes, with Smith Mountain Lake being a 20,600 acre impoundment and Leesville Lake being a 3,400 acre impoundment. The 2022 data is consistent with the debris history over the last five (5) years [2017-2021]. Over that period approximately 10,000 tons of debris were removed from Smith Mountain Lake while approximately 16,400 tons were removed from Leesville Lake. **So, a lake one-sixth (1/6) the size has a historical average 65% higher debris load.**

The APCo lake team currently spends approximately 2-1/2 days a week actively on the water collecting debris. The remainder of a typical 4 day/week, 40-hour work week schedule is spent processing the debris once on shore. Regarding non-typical periods such as high flow events where increased volumes of debris enter the lake, Section 2 of the report APCo states: *Accordingly, debris removal efforts are escalated following high flow events.* LLA routinely sees no evidence of an "escalation" during these periods. When we have asked APCo for an explanation/data regarding escalated efforts from such events, the requests for information have gone unanswered or we have been referred to the routine report. The routine reports are a good source of normal communication regarding routine debris management plans, activities and results. However, those reports do not go into the level of detail necessary regarding specific events to explain "escalated" efforts.

The report notes that the contractor worked during two (2) months in 2022 on Leesville Lake removing 40 tons. On Smith Mountain Lake the contractor worked during eight (8) months retrieved 200 tons. These facts combined with the debris load data show the true seriousness of this situation. Although APCo states contractor worked for two months on Leesville Lake, the annual report makes no mention of how many actual days.

Based on monthly reports from APCo, the contractor worked a total of eight days on Leesville Lake from April to December of 2022. Out of those eight days, the contractor worked only three days that they actually removed debris from the lake. The other five days were utilized hauling wood debris to storage. This level of detail is indeed informative, however, as stated above it is insufficient to understand which days are involved in order to determine if the work is routine or tied to "escalated" efforts following high flow events.

LLA is not advocating any changes to the debris management efforts on Smith Mountain Lake, that's for others to determine. Our focus is on Leesville Lake.

Additionally, Article 411, Section 3.1 states: *Appalachian working with TLAC and LLA will annually establish a blanket contract with a contractor(s) to assist in debris removal efforts when it is determined, in consultation with TLAC and LLA, to be essential.* LLA has not been asked to be involved with establishing the contract. LLA has consistently requested more contractor involvement on the lake, especially following high flow events.

Bottom line, the data clearly shows that Leesville Lake needs more crew time, both APCo and contractor, devoted on the water in order to control the accumulation of debris, especially following high flow events.

2- Add Equipment (A Skimmer): In Section 2.0 of the report, APCo addresses the equipment used on the lakes. LLA has consistently recommended that APCo rent or purchase a skimmer with additional crew to operate it. A skimmer's function and effectiveness is different than that of a barge. On Leesville Lake both are needed. We have suggested that the skimmer and crew be stationed out of the Leesville Dam while the existing barge and crew be stationed at Myers Creek (MM 11-1/2) to effectively address issues from Pigg River and work the upper area of the lake before the debris starts its inevitable 11-mile trek to the Leesville Lake Dam. As stated earlier, we look forward to the TRC meeting where we understand this will be discussed.

3- License Requirement: In the last paragraph, last sentence of Section 2.0 it references whether the debris removed was a license requirement. From Appendix A, it was noted that 17 of the 87 Leesville Lake debris reports submitted shown as "no license requirement." Our review agrees that two of those reports were legitimate as the debris was entangled in a dock or in too shallow of water to retrieve. The remaining 15 reports shown as "no license requirement" are in question as they appear to be legitimate reports. An explanation would be appreciated.

With the mobile nature of Leesville Lake, we recognize the difficulty in identifying debris from the reports and matching the response date from the barge cleanup. However, it is noted by the majority of the reports in Appendix A, the response time is not adequate, nor is the response to the location of the predominant source which is the Pigg River.

Although not addressed in the 2022 Annual Report, it has been noted that APCo had discontinued call backs to residents that had made debris reports. This courtesy call was appreciated and LLADC requests those calls to commence again with coordination to the barge cleanup crew. The intent would be to provide more than just an acknowledgement of receipt, but efforts APCo is actually taking to coordinate the debris pickup.

Section 4.2 Summary of Volunteer Lake Cleanup Efforts

The residents of Leesville Lake have demonstrated their motivation in wanting to have a clean lake, free of debris and safe to operate on. LLA's 2022 Beautification Day resulted in 47 tons of debris removed by 65 volunteers. A significant effort and commitment to debris removal and keeping Leesville Lake beautiful. The barge crew's participation was instrumental to our success.

Section 6.0 Discussion of Off-load sites utilized for debris

Add an Additional Debris Off-Load Site at Myers Creek: In Section 6.0 of the report, APCo addresses debris off-load sites. In 2018, LLADC recommended that APCo study the existing Myers Creek ramp (MM 11-1/2) as a possible debris removal site. The Commission issued its order approving modification of the plan to add this site on September 16, 2020. This site is still not operational. Having Myers Creek as an offload location being so close to the Pigg River will make for a significant saving of time and resources for the lake clean-up efforts.

APCo states in this report, "the off-load sites utilized during 2022 were sufficient for addressing debris removal throughout the year." LLA disagrees with that statement as it is evident from the amount of time the barge crew spends transporting debris, that additional offload sites are needed. To haul debris on the barge to Leesville Lake Dam when at capacity is inefficient and a large waste of time for a crew and asset in such high demand.

Section 7.0 Summary of evaluation of sites for possible debris diversion devices

The Addition of a Debris Collection/Diversion Device at the Confluence of the Pigg River: In Section 7.0 of the report, APCo addresses possible debris diversion and collection devices. At the 2018 Debris Management TRC meeting on March 7, 2018 LLADC specifically requested APCo start a feasibility study on potential collection/diversion applications for the Pigg River. Appalachian began a feasibility study on such a debris collection/diversion device in 2020. To date there is no physical evidence of structures or efforts to divert debris from the Pigg River. Additionally, we have received no detailed update regarding this potential solution. In fact, at a January 31, 2023 meeting, APCo made it clear that they would not provide an update until they were further along with their study. They indicated that we might receive an update by the end of this year. Please note that this was requested, as described in Article 411, five (5) years ago and work began three (3) years ago. There is no more important debris control effort for Leesville Lake than this project.

LLA looks forward to continuing to work with TLAC, the surrounding counties, other affinity groups and APCo on issues regarding Leesville Lake in an effort to improve lake conditions for all users. As part of obtaining a license for a project such as the Smith Mountain Lake Project,

an owner/company enters into a compact with various stakeholders in an effort to benefit all from the project. Proper debris management enhances access to the lake, improves aesthetic beauty, minimizes property damage to boats and docks, and most importantly it focuses on public safety.

FERC has a role to oversee this compact with stakeholders and make sure that the licensee operates in accordance with the conditions of the license. Thus the reason for the Annual Report with stakeholder feedback. We hope FERC takes shareholder input seriously and we invite member(s) of the FERC staff to visit Leesville Lake, take a tour and discuss our concerns with us.

Respectfully submitted on behalf of the Leesville Lake Association by the Leesville Lake Association Debris Committee.

Pamela McMillan, Chair - LLA Debris Committee
Roy Kelley, Chair, - LLA Beautification Day
Dave Rives, President - LLA President

Leesville Lake Association
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