HydroLink: Pre-Audit Recommendations, By Certik
This document has been prepared for the public to align with our mission of transparency

HydroLink Team

HLH-02 | Possible To Gain Ownership After Renouncing The Contract Ownership

Category | Logical Issue, Centralization / Privilege

Certik Enquiry | An owner has the possibility to gain ownership of the contract even if he calls function *renounceOwnership* to renounce the ownership. This can be achieved by performing the following operations:

1. Call *lock* to lock the contract. The variable *_previousOwner* is set to the current owner.

2. Call *unlock* to unlock the contract.

3. Call *renounceOwnership* to leave the contract without an owner.

4. Call *unlock* to regain ownership.

HydroLink Response | *The HydroLink team acknowledge the finding. The HydroLink project is a centralized project. The contract ownership will be maintained for the foreseeable future and as such the renounce0wnership function will not be called. Consequently, there is no reason for the operations stated to be used to regain ownership.*

HLH-04 | Initial Token Distribution

Category | Centralization

Certik Enquiry | _rTotal tokens were sent to the *token0wner* when deploying the contract. Typically, this could be a centralization risk as the deployer can distribute tokens without obtaining the consensus of the community.

HydroLink Response | The following material actions were performed upon contract deployment by the contract owner.

- The contract _owner burned 1,000,000 tokens to identify a functional *Transfer* function

bscscan.com/tx/0x87fe6d03c6a1aa9f993ebba3efe79dcb40860bb0e6548e19b95455583bc5d119

- The contract _owner transferred 84,000,000 tokens to the contract address

bscscan.com/tx/0x213d6b375a69adba95192a72f73c99ead7a3d46b575694d49894cbf8bfd9d10c

- The contract _owner used 15,000,000 tokens to create an initial liquidity pool

bscscan.com/tx/0x108feaf4d71c9c34b7405cb945cdf63dabe2fd65ca883e0a4d38a09d3c7d9919

- The contract _owner balance following initial distribution is 0

bscscan.com/address/0xfe4a26e62b18ec1c1a9f1739bff04c58f85fb99b

The HydroLink team directs Certik to observe the token's fixed supply of 100,000,000 and the non-existent *mint* function. Consequently, there is no risk of future token distribution. HydroLink acknowledges the importance of transparent communication of material business activities, including retrospectively, and consequently will include a clear explanation of the initial token distribution process on our 'transparency statement' available at *hydrolink.app*.

HLH-11 | Centralized Risk In

HydroLink Response | Upon token deployment, the HydroLink team immediately identified _liquidity to be a material security risk for token holders. Consistent with the SafeMoon protocol, the LP tokens were being received by the _owner address. In response to the growing LP balance of _owner address, and the team's recognition of this problem, the LP tokens were transferred to the contract address (zero address). Further, the additional LP tokens (0.75 LP) that were received by _owner address were locked (https://dxsale.app/app/v3/dxlockview?id=0&add=0xFE4A26e62b18EC1c1a9F1739BFf04c58F85fb99b&type=lplock&chain=BSC)

The _owner address has not received any LP tokens since October 13 (when the additional 0.75 LP were locked). The HydroLink team acknowledge the presence of the issue in the 3 days following the token deployment. However, given the _owner address's persistent nil balance of LP tokens since 13 October 2021, in conjunction with the contract's ownership of >80% of the LP, the HydroLink team is satisfied that the issue has been resolved.

HydroLink acknowledges the improved security conditions using multi-signature wallets with no single point of failure. For this reason, a multi-signature wallet has been created, and the token ownership will be transferred from the current _owner (0xFE4A26e62b18EC1c1a9F1739BFf04c58F85fb99b) to the multi-sig address (0xaEac41455E7B152e00c26e1bD7eBD1e224477BBB)

HLH-15 | Centralization Risk

Category **|** Centralization / Privilege

To bridge the gap in trust between the administrators need to express a sincere attitude regarding the considerations of the administrator team's anonymity.

The owner has the responsibility to notify users about the following capabilities:

- transfer ownership of the contract through transferOwnership()
- renounce ownership of the contract through renounceOwnership()
- lock the contract through lock()
- exclude from reward through excludeFromReward()
- include from reward through includeInReward()
- exclude from fee through excludeFromFee()
- include from fee through includeInFee()
- set tax fee percent through setTaxFeePercent()
- set liquidity fee percent through setLiquidityFeePercent()
- set numTokensSellToAddToLiquidity through setNumTokensSellToAddToLiquidity()
- set _maxTxAmount through setMaxTxPercent()
- enable swapAndLiquifyEnabled through setSwapAndLiquifyEnabled()
- transfer BNB in the contract to itself through claimTokens()

HydroLink Response | HydroLink token is a fair launched token which is governed by a central board. The management team firmly understands the roles and responsibilities for which we are accountable.

The HydroLink team present a sincere position of integrity in our approach to transparent operations and all business practices. The team is mindful of 'rug pulls' and have observed such practices, as well as many other forms of unethical and deceptive conduct. To show a strict commitment to diverge from any and all such unethical practices, our team has consciously undertaken methods to communicate our commitment.

Our team's ethical assurance methods

- Our founding and management team is available at hydrolink.app
- Our project is a legally incorporated Australian company. The incorporation of HYDROLINK LEDGER PTY LTD is consistent with the jurisdiction in which we operate. As such, our project's business practices must be in strict accordance with the legislative requirements stipulated in Australia's *Corporations Act 2001 (Cth)* and associated legal provisions.

The above two commitments reflect a conscious and forthcoming adherence to legal processes as well as transparent business operations. This depicts a conscious divergence from all unethical behaviour. Further, the aforementioned assurance methods ensure not only severe personal reputational damage but also legal recourse and criminal prosecution would await any team member/s.

We, the HydroLink team, state, with sincerity, our management approach will be transparent and ethically focused. In accordance with this, the existence of these functions will be made apparent to our community – and will be visible under our 'transparency statement' found at hydrolink.app.

End document