## Discovery of a problem with writing exceptions to the repository

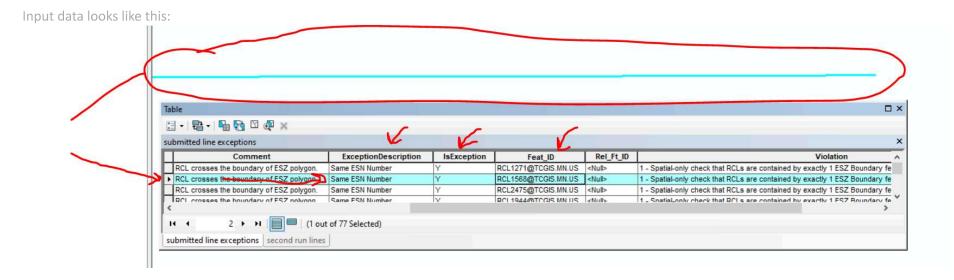
## Carlson, Curtis L (MNIT) < curtis.carlson@state.mn.us>

Tue 2/27/2024 10:10 AM

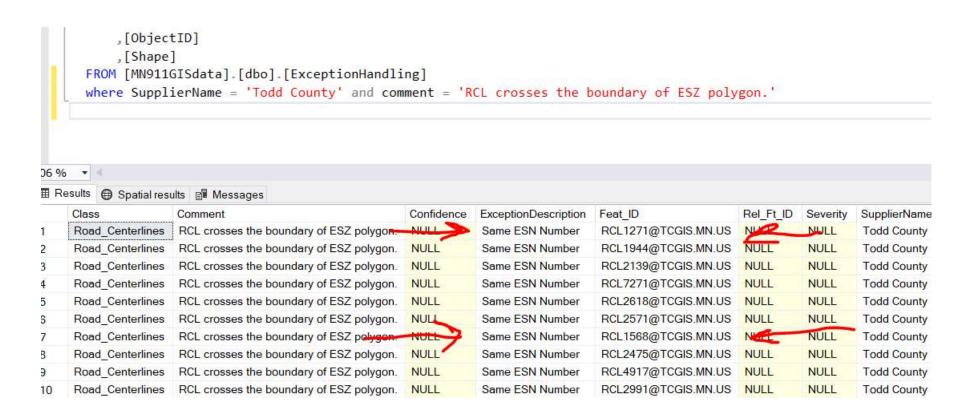
To:Thue, Josh (MNIT) <josh.thue@state.mn.us>

Cc:Carlson, Curtis L (MNIT) <curtis.carlson@state.mn.us>;Bridger, Shauna (MNIT) <Shauna.Bridger@state.mn.us>;Wakefield, Sally (MNIT) <Sally.Wakefield@state.mn.us>
Josh,

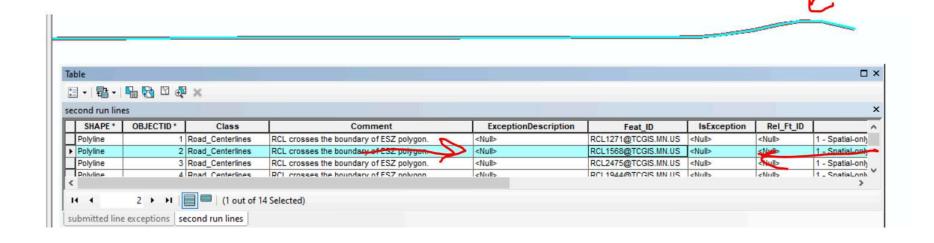
Todd County submitted a 6b Location Data to ESZ validation with exceptions correctly captured using "Y" and an Exception Description: <a href="https://mn911gis.dps.mn.gov/submissions/b94b5b3e-eeca-4d8e-9175-a7afd7a7c49e">https://mn911gis.dps.mn.gov/submissions/b94b5b3e-eeca-4d8e-9175-a7afd7a7c49e</a>



The features **WERE** written to the Exceptions Table:



However, the supplier notes that these exceptions did NOT show up in the <u>next run of that same validation</u>: The features were still reported as non-conformances, but the IsException field and the ExceptionDescription was not in the output results.



I'm assuming that this is because the geometry changed between the first submission with the exception marked (straight line East-West) and the second submission (line has northward bulge at eastern end)

However, the exception is still in the Exceptions table (I assume it's from the first submission but there is no DbEditDate so I'll never know).

Is this expected behavior or was the exception supposed to be removed from the exceptions table? If it's *supposed* to be there, when we provide the exceptions to the NG911 Core Services provider, we're going to have to inform them that the exceptions table MUST be considered including the geometry of the feature too and not just FeatureID's. Because some input features may be subsequently reshaped or have different attribution in latter submissions, it is entirely possible that features in the exceptions table may be 'orphaned' – meaning that the feature is present in the exceptions table but is no longer present in the repository database.

If this feature was supposed to have been removed from the exceptions table in the 2<sup>nd</sup> submission, can we ask 1Spatial WHY it was not removed?

Incidentally, this MAY explain why we're seeing duplicate ID's in the exceptions table. If a subsequent later submission was created with the exception marked again but the geometry was different, I would expect the feature to be added to the exceptions table a 2<sup>nd</sup> time with the same ID as the first time but with different geometry.

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Curt

## **Curtis Carlsön**

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