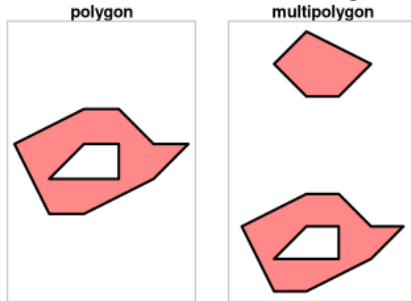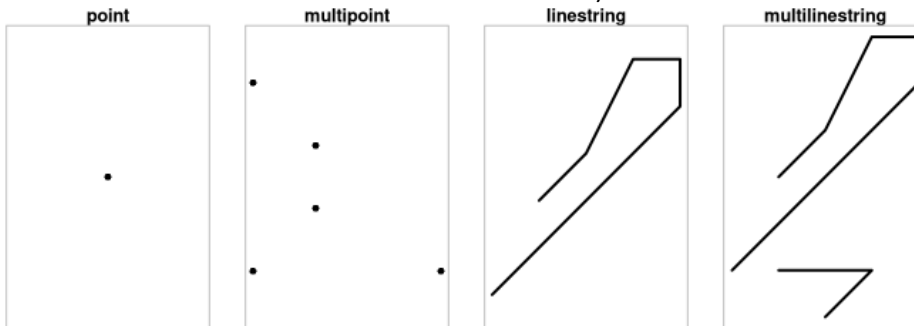# Mississippi 811 Service Area Editor File Upload Requirements

When using the Service Area Editor **Upload File** or **Upload Full Replacement** tools, the file uploaded must meet the following criteria:

- The file **MUST** be in GeoJSON format.
- The file **MUST** have coordinates in the EPSG:4326 projection (WGS84).
- The geometry **MUST** be contained entirely within the state of Mississippi.
- The file **MUST** contain ONLY geometries that are either a POLYGON or MULTIPOLYGON.
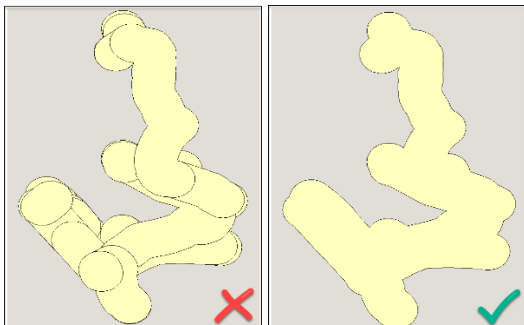

- The file **MUST NOT** contain any POINT or LINESTRING features (Files created by buffering POINT or LINESTRING features must be buffered at no less than 10 feet.)

- The file **MUST NOT** contain any GEOMETRY COLLECTION features.

- The file **MUST** be union or dissolved.

- The file **MUST NOT** contain Z or M values.
- The file **MUST NOT** contain empty geometry.
- The file **MUST** contain only valid coordinates.
- The geometry **MUST** have all its rings closed.
- The geometry **MUST NOT** contain self-Intersections (geometry that touches itself).
- The geometry **MUST NOT** contain nested holes.
- The geometry **MUST NOT** contain disconnected interiors.
- The geometry **MUST NOT** contain ring self-intersections (geometry that touches itself and generates a ring).
- The geometry **MUST NOT** contain nested shells (a polygon on top of another polygon).
- The geometry **MUST NOT** contain duplicated rings (two rings, exterior or interior, of a polygon that are identical).
- The data **MUST** be Open Geospatial Consortium (OGC) valid and simple (not just ESRI or QGIS valid).
- When using the **Upload Full Replacement** tool, the file **MUST** include the **ENTIRE** service area (This tool will replace your company's **ENTIRE** service area).

Your files should be considered "clean" before uploading.
- Your data should not contain any overlaps or self-intersections and should be one big valid MULTIPOLYGON.
- You can clean your data in many GIS tools like Mapshaper, QGIS, FME, ESRI Products, etc.

It is **recommended** that the file:
- Be less than 12MB in size.
- Contain less than 300,000 coordinates and contain at least 4 coordinates.
- Have a very low point count on the endcaps of buffered geometries

If you have any questions or need assistance, please contact Amy Williams or GIS at (601) 368-1150.