|  |  |  |
| --- | --- | --- |
| **Example** | **Description** | **Complexity** |
| **ASH5.GID** | Replicates CAP88-PC ver2 example from Chaki and Parks 2000. Five air emission sources. | Complex |
| **GENII\_01.GID** | Inhalation of user-defined activity. | Simple |
| **GENII\_02.GID** | Inhalation of user-defined tritium (HT,HTO, and OBT) activity. | Simple |
| **GENII\_03.GID** | Food ingestion intake from user-defined nuclide concentrations in water and food types. | Moderate |
| **GENII\_04.GID** | N/A |  |
| **GENII\_05.GID** | Three sources (air, surface water, and groundwater) with user-defined nuclide concentrations cause exposures through animal products, crops, and aquatic food ingestion, as well as inhalation and external exposure. Irrigation is included. | Complex |
| **GENII\_06.GID** | N/A |  |
| **GENII\_07.GID** | Near-field scenario resulting from user-defined nuclide concentrations in soil. Crop ingestion impacts modeled. | Simple |
| **GENII\_08.GID** | Chronic plume and surface water scenario with impacts to biota reported. | Moderate |
| **GENII\_09.GID** | Two different surface water modules in same scenario indicate two different impact results in two different reporting files. | Simple |
| **GENII\_10.GID** | Acute river scenario. | Simple |
| **GENII\_11.GID** | Chronic Plume scenario with a large-area grid and distributed population exposure, as well as an MEI exposure. | Complex |
| **GENII\_12.GID** | Similar to example11, but Chronic Puff used. | Complex |
| **GENII\_13.GID** | Acute air release scenario with a large-area grid and distributed population scenario, as well as an MEI exposure. | Complex |
| **GENII\_14.GID** | Similar to example 13, but 95th percentile air dispersion results are implemented. | Complex |
| **GENII\_15.GID** | Similar to example 13, but acute puff model is used. | Complex |
| **GENII\_16.GID** | N/A |  |
| **GENII\_17.GID** | Inhalation of a user-defined activity and SUM3 uncertainty processor. | Simple uncertainty |
| **GENII\_18.GID** | Similar to example 3 with SUM3 uncertainty processor. | Simple uncertainty |
| **GENII\_19.GID** | Similar to a portion of example 13 with SUM3 uncertainty processor. | Moderate uncertainty |
| **GENII\_20.GID** | Similar to example 11 but chronic Normalized Atmospheric Dispersion module is implemented. | Moderate |
| **GENII\_21.GID** | Similar to example 20 but acute Normalized Atmospheric Dispersion module is implemented. | Moderate |