Gas High & Moderate Consequence Area (HCA/MCA) Analysis

QUICKLY, PRECISELY, AND RELIABLY CALCULATE AND ANALYZE GAS HIGH CONSEQUENCE AREAS

+30 YEARS OF INDUSTRY SUCCESS

BEST IN CLASS PARTNERS

SUPPORT FOR INTEGRITY ASSESSMENT

Meet DOT and PHMSA regulations by using a simple tool or utilizing Novara's team of experts.

Novara GeoSolutions (Novara) compliance tools have a positive impact on safety by providing users with flexible and user-friendly compliance tools built around federal regulations. Novara's gas high consequence area (HCA) analysis software calculates HCA's areas along an operator's pipeline HCA in accordance with the requirements prescribed in U.S. CFR Title 49, Part 192, SubPart O, Sections §192.903/§ 192.905. It calculates HCAs using either Methods 1 or 2 (or both), including potential impact circle (PIC) calculation, analysis of buildings intended for human occupancy and identified sites, and PIC inclusionary analysis. This tool is vital to monitoring the growth of HCA regulated segments along your assets and to managing your baseline assessment plan over time. And, it will calculate moderate consequence areas (MCAs) as per Part 1 of the proposed Final Gas Mega Rules.

These comprehensive tools provide a 'what if' analysis that lets users create different scenarios. This may be important for new route planning, forecasting and to know the possible impacts for new construction. The 'what if' analysis also allows for comparative runs so operators can compare data year to year. Additionally, users can export a snapshot of their data to a geodatabase in preparation of an audit. Within the HCA tool, all the components (subranges) are saved as it does the calculation and rolls it up into the results. This will give users visibility into why changes in HCA levels are made. The user can also look at air dispersion impacts that may impact the defined HCA.

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Save valuable time

If there are no changes throughout the year then you don't need to run the analysis. However, if there are changes, keeping track of them throughout the year can be cumbersome and tedious. Novara's HCA tool alleviates this challenge with its built-in Smart Route Selection. This feature has the intelligence to know which routes and lines need the analysis and which ones don't saving you valuable time.

Make informed decisions

The HCA tool allows users to add tolerances to each calculation, so results are more conservative and allows operators to account for the unknown. Novara's HCA analysis tool allows users to quickly run preliminary calculations, which can used for capital planning. Within each tool the approval process is simple; data is placed into a holding sandbox, and users can compare grid differences and compare results from past years. If you don't agree with the results, users can explore why the results are appearing the way they are.

Compliance services available

Let Novara's team of compliance experts run the calculations and analysis for you! Our team can help with your regulatory compliance audits, integrity management support, geospatial services, staff augmentation, and technology solutions.

One source of truth

Eliminate the need to maintain several databases. Novara's HCA analysis tool runs its analysis and calculations against the enterprise database. This lowers the level of effort and reduces the amount of time it typically takes to run these calculations. This seamless integration allows you to modify and approve data in one central area, which increases operational efficiency. These tools also include a set of robust reporting capabilities and predefined reports that communicate the results of the analyses. Additional reports can be customized and created quickly and easily.

Run multiple calculations at once

The HCA analysis software incorporates the federal and state requirements and interfaces directly with PODS. It can be run line by line or system-wide in a batch mode. Users can view all input criteria and the results of each phase of the calculation to ensure accuracy. The results will highlight any areas of change from one analysis to another.

ADVANTAGES

> Metadata accompanies the analysis

> Compatible with PODS data model

> Export to Excel or a PDF map

> Both tools are user-friendly and training is minimal

> Export a 'snapshot' to a geodatabase so you are prepared for an audit

> HCA/MCA Analysis supports two methods and stores the unique IDs (on range) within each area

> The reporting and results interface has many options, such as grid, map, Excel, and map to PDF functions

> Conveniently run individual or batch modes for multiple routes at the same time

CALL US TO LEARN MORE ABOUT IMPROVING YOUR COMPLIANCE TOOLS!