



SUMMIT EARTH™

WHAT IS SUMMIT EARTH™?

Summit Earth™ is the evolution of compliance management.

This innovative, patent pending system combines precision GPS guidance and automation with custom web-based GIS software to control drilling waste management operations and eliminate recurring non-compliance issues.

SUMMIT EARTH™ S3-S NAVIGATOR

Summit Earth™ S3-S Navigator (S3-S Navigator)

is the custom GPS guidance and automation system engineered to regulate and ensure compliant disposal operations.

Summit Earth S3-S Navigator Features:

Regulates disposal operations based on compliance parameters controlled by Summit, including:

- Boundaries of disposal and non-disposal areas
- Proximity to water bodies and hazards
- Slope
- Application rate
- Disposal overlap
- Regulated discharge pressure



Color touch screen shows compliance parameters and provides a visual reference of disposal operations. S3-S Navigator also displays:

- Disposal and non-disposal areas
- Visual reference of disposal unit and spray tracks
- Integrated steering bar and steering guidance lines creating spray aesthetics and disposal efficiencies
- Virtual vision of operations providing guidance for inclement weather or night time disposal
- Identified hazards and potential safety concerns

Individual disposal tracks are mapped and used to calculate true disposal area

- This information is uploaded into Summit Earth and superimposed onto satellite imagery for accurate reporting

Color coded flags and labels mark and record disposal sections or important information

Places responsibility and control on Summit and removes it from the operator of the disposal unit

Allows Summit to use complex fields equating to more land base

Improves health and safety of operations

Utilizes proven and tested GPS guidance technology manufactured by Hemisphere GPS

FOR ADDITIONAL INFORMATION PERTAINING TO SUMMIT'S SERVICES PLEASE CONTACT SALES@SUMMITLS.CA OR CALL 403.802.3649



SUMMIT EARTH™ DESKTOP

Summit Earth™ Desktop is the custom web-based GIS software and data entry platform engineered with powerful compliance management and reporting capabilities.

Summit Earth™ Features:

- Compliance validation tool that meets all provincial regulatory requirements
- Integrated auditing capabilities to ensure accuracy of data entries
- Advanced reporting capabilities
- Searchable database
- Satellite imagery
- Pre-job planning functionality
- Promotes sharing and dissemination of information
- Stores relevant information and data



SUMMIT EARTH™ IN ACTION

Satellite imagery from Summit Earth is used to preview disposal area

Compliant boundary and disposal area are created using Summit Earth compliance tools, deviation controlled GPS technology, laser range finder, and visual inspection

Disposal area is uploaded and compliance parameters are programmed into the **S3-S Navigator**

S3-S Navigator is turned on, activated, and locks down control of disposal operations

Continuous verification of parameters occurs maintaining compliance at all times

Disposal operations completed the job file is exported from the **S3-S Navigator** into **Summit Earth**

The extensive compliance features and reporting functionality of **Summit Earth** are used to complete all reporting requirements

Summit Earth™ Ready Kits are installed in the disposal unit allowing them to utilize the **S3-S Navigator system**. Once Summit Earth Ready is installed it takes only 15 minutes to mount and connect the S3-S Navigator in the field.

SUMMARY

Problem: Recurring non-compliance events result in increased operating costs, damaged public relations, and ever-tightening regulatory restrictions. **Solution:** Summit Earth is an innovative solution engineered to eliminate these events and demonstrates a commitment to better practices and service.

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