

RPS

BS EN 14181 – A Samplers Perspective (Updated)

RPS Health, Safety and Environment (Stack Emissions)

- Two Stack Emissions Offices
- Elland (Near Halifax) – North
- Towcester (Near Milton Keynes) – South
- MCERTS Accredited both offices
- Particulates, Metals, Acid Gases (HCl, HF), Dioxins, PAH's, PCB's, VOC's, Combustion Gases (Including all new EN Methods e.g. NOx, CO)

RPS Health, Safety and Environment (Stack Emissions)

- Services – Stack Emissions
- EN14181 QAL 2 & AST
- D1 and H1 Assessments
- Air Dispersion Modelling (M8 & M9)
- Odour Assessments and Modelling
- Groundwater Monitoring
- RPS Laboratories Manchester (UKAS)
including EN 14385 and EN 13211

Scope of the Presentation

- To give an overview of the experience RPS has gained when organising and conducting BS EN 14181 Sampling to the QAL 2 requirements from:
- The time and resources involved;
- The key documents and sources of information used;
- The role of the process operator in assisting the QAL 2 process;
- Working with Instrument suppliers and instrument technicians.

Organisation and Planning (1)

- Key stage in the whole process is the planning stage, without suitable planning no project, especially one as involved as EN 14181 QAL 2 or AST will be carried out as per requirements.
- Need from the very beginning the co-operation and involvement of:
 - The Process Operator;
 - Instrument Engineer(s);
 - The Regulator.

Organisation and Planning (2)

- **Site Review**
- Even from just a quoting perspective it is vitally important that a site review be undertaken. This will assist in the proposal stage, as well as assist the client
- Annex D explains what should be reviewed as part of a Site Review
- **Site Specific Protocol (SSP)**
- Key document from both a technical perspective as well as from a health and safety point of view (e.g. Platform Inspections)
- SSP should meet the requirements as stated in Annex E of the MCERTS Organisational Standard

Organisation and Planning (3)

- **KEY DOCUMENTS**
- **BS EN 14181**
- **EA Technical Guidance Note M1**
- **EA Technical Guidance Note M2**
- **EA Technical Guidance Note M20**
- **EA Method Implementation Document (MID 14181)**
- **BS EN 13284-2 (Dust: Automated Measuring Systems)**
- **BS EN ISO 9001 (Quality Management Systems)**
- **BS EN ISO 14001 (Environmental Management Systems)**
- **Appropriate methods for SRM's**

Organisation and Planning (4)

- SSP – issue to the client well in advance of the planned commencement of the sampling exercise and if possible get the approval of the Environment Agency prior to commencement
- Ensure that as an organisation you have the manpower in terms of qualified technical resources
- Ensure that as an organisation you have the Technical Resources in terms of equipment
- That as an organisation you are MCERTS accredited for all the Standard Reference Methods (SRM's)

Planning Completed

- Only when the Testing Laboratory, the Process Operator and the Regulator are happy should the monitoring programme begin.
- Example of bad planning (Not RPS!!!)
- Cost to redo a QAL 2 assessment was more than double the cost of the original job undertaken, this cost is excluding all the time spent by the client discussing the report with the EA before it was finally rejected
- The above was as a result of bad planning as the individuals and company in question did not plan the job properly.
- As for who it was, that remains information for the now RPS client and the organisation involved.

RPS

Thank you very much for your time

Any questions please contact Antony Sumner on
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