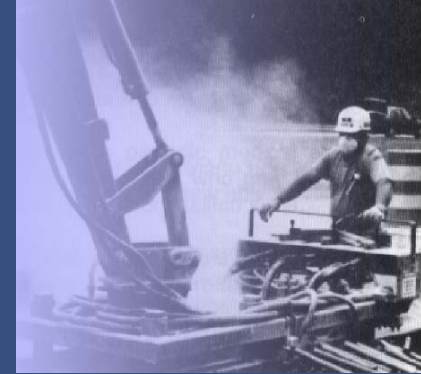


Construction Noise and Dust Monitoring



PLAN OF ACTION

- Investigate Source of Noise & Contaminants
- Examine All Relevant Standards
- Decide What Data Is Required
- Decide On The Methodology
- Select Measurement Equipment
- Carry Out The Investigation
- Report The Results

NOISE SOURCES

- Neighbourhood Noise
- Site Machinery
- Piling
- Compressors / Generators
- Deliveries
- Tools and equipment
- Employees



DUST SOURCES

- Site Machinery
- Excavation
- Compressors / Generators
- Deliveries
- Cutting / Grinding



WHAT CAN WE DO

- Find Out What Is Causing The Problem?
- Talk To People
- Establish The Real Reason For The Investigation
- Agree On What You Are Trying To Achieve
- Set In Place An Action Plan

RELEVANT STANDARDS



Examine All Standards & Criteria That Are
Applicable To The Source Noise & Dust

- Decide Which To Apply
- Select The Most Appropriate For The
Circumstances
- Noise Has a Standard..... Dust only Has
Guidance

MEASUREMENT CRITERIA



- Neighbour: EPA / Night & Day Noise Acts
- Fixed Industrial: BS 4142
- Open Industrial: BS 5228 / MPG 11
- Transport: PPG 24 / CRTN

- Back Ground Assessments....

REQUIRED DATA

- Decide On Measurement Data:
 - LAeq / LA90 / LAmax; Frequency Analysis
 - Mg/M3, Analysis, Hazardous

- Decide On Times Of Measurement:
 - 1 visit / Several visits;
 - Cumulative / Period;

 - When To Measure

MEASUREMENT EQUIPMENT



- Standard Of Accuracy: i.e. Type 1 / 2
- Able To Produce The Required Data:
 - Measurement Range
 - Measurement Functions
- Able To Measure Over The Required Time Periods

MEASUREMENT EQUIPMENT

CASELLA
CEL

- Able To Measure In Required Location:
 - Battery / Mains Power
- Able To Produce Data In A Convenient Format
- Able To Post Process Data If Required



Getting Started

- Background Assessment's
- Measurement Equipment
- Section Notices and PPG
- Co-operation with the LA
- Negotiation with the LA
- Setting Limits and Times

How To Do It

- Dissecting the Site
- Prevailing Wind
- Receptors
- Measurement Parameters
- Background Assessments
- Dealing with Complaints



Consultants

- DO WE NEED A CONSULTANT

YES or NO

- For analysis of Contaminants
- For noise reduction Methods



Get Good Advice

- Communication Is Key
- Your LA are not the **ENEMY**
- Use the Correct Equipment
- Use the Correct Guidance

- DO IT BEFORE YOU START

Calibration

- All instruments should be calibrated prior to Any measurement



Questions ?

Contact



Shaun Knott

01234 844100

Or

07730 818267