

INSPECTORATE

Indicators relating to Inspectors

Number of inspectors (man hours)

Number of man hours per inspection

Number of installations (or IPPC installations) per inspector

Ratio of inspectors to population size

Inspector Training System in place

Inspector Training

Training days per inspector

Training course attended by inspectors

Evaluation of training

Turnover rate for inspector

Training days and inspector training level

Inspectors training to evaluate quality of self monitoring returns

Inspectors per sector

Number of appeals against inspectorate

Number of petitions against inspectorate

Number of appeals against decisions

Number of petitions against inspectorate/ Number won/ Number lost
Expertise in specific industry
% of decisions reversed by third parties, i.e. appeals body

INSPECTION PLAN, RESOURCES and INSPECTIONS

Indicators relating to Installations

Number of installations

Number of inspected installations

Number of facilities

Number of regulated installations

Number of installations per sector

Number of installations of each type

Number of installations of each type per inspector

Resources allocation per installation e.g. hours

Average amount of resource allocated to enforce per permit

Number of illegal dump sites identify

% of High risk category sites

Indicators relating to Inspections

Legal requirements in place to do inspections
Number of inspections
Number of inspections per installation
Number of follow up inspections
Number of compliance inspections
Ratio of complaint driven inspections
Number of routine and non-routine inspections
Time spent on routine vs. non-routine inspections
Quality of inspections
Number of site visits - routine and non routine
Number of site visits - by sector
Number of installations inspected per sector
Number of site visits by risk category
Number of site visits of Seveso Sites
Number of non-compliant installations
Number of self-monitoring inspections
% of inspections outside normal office hours
% of installations covered by inspections per year (by risk classification)

% of inspections which are non conforming
% Of inspections where the conclusion was that permit holder was in compliance
% of non conformances due to administrative issues
% of non conformance due to technical issues (greater impact on environment)
Number of man hours per inspection
Total time spent on facilities v no of facilities
Resources applied to inspections
Number of monitoring visits and samples
Types of site visits, partial, full, targeted inspections, audits
Number of monitoring visits by theme, i.e. air, water
Emissions monitored by external consultants - must be checked
Number of inspections
number of follow ups inspections,
number of identified non compliances from inspections
Number of monitoring visits by sector
% of inspections outside normal office hours
% of installations covered by inspections per year (by risk classification)
Number of samples & measurements

% of inspection reports available in two months

Amount of time spent on routine inspections versus non routine inspections

Response time to routine reports

% of inspection reports available within two months

Inspection time spend per inspection type, routine and non-routine

Number of Annual Environmental Reports assessed (desk top)

Number of follow ups against non-compliances found

Can also compare this figure across countries where there is a common ELV e.g.

Indicators relating to Plans

% Achievement of inspection plans

% of installations covered by the inspection plan

Presence or absence of inspection plans

Monitoring of inspection plans - frequency,

Number of installations inspected versus number of installations in plan to be inspected

Adequacy of Inspection Plans in Authorities

Inspection System and Resources

Inspection system in place

Use of risk assessment / rating (Is it implemented?)

Budget per controlled facility

Assignment of resources based on routine / non-routine

Inspection system in place- System to collect data on inspections

Inspection system in place-Review system of plans

Inspection system in place- Time available for inspection

Inspection system in place- Quality system

Database of prosecutions and other enforcement actions

Evidence that actions are taken to update plans as a result of reviews

Money spent on laboratory analysis

Time spent on monitoring visits

Money spent on monitoring visits

Manpower per facility (not just inspection)

Is it being used to assess resources required

Location of plant sensitive area?

Size of plant

Emission comparison between similar plants / operations
of complaint sites

Inspection system in place- Guidance doc

Inspection system in place-System to evaluate inspections

Resources

Instruments and equipment

Good electronic data management system

kind of operating systems in place

Amount of resource assigned to specific facilities (not just site inspections)

Number of guidance developed for the public

Number of guidance developed for the inspectors

Number of guidance developed for the industry/licensees

Resources spent on IT systems – development

Number of IT database systems

Number of research studies

Money spent on research studies

Database of facilities, list of permits

ACCIDENTS, INCIDENTS AND COMPLAINTS

Indicators relating to Accidents

Number of accidents

Number of incidents/accidents by type

Number of Seveso accidents

% of accidents resulting in enforcement

Reaction time to accidents and incidents

Number of environmental incidents from IPPC sites resulting in the public being notified

Severity of incidents - uncontrolled release of emissions

Indicators relating to Complaints

Number of complaints received

Number of complaints received in time period

Number of complaints received per thematic area - air, water, waste

Number of complaints received per sector

Numbers of complaints (total, per facility etc)

Number of complaints dealt with

% of complaints investigated

Number of complaints resolved

Average Time to close out complaints

Response time to complaints

Number of complaints closed within 12 months

Time spent dealing with complaints per inspector
Recording of complaints
Ratio of complaint driven inspections
No of complaints against inspection unit (customer service complaints)
Number of complaints per problem site
number of permit changes as results of complaints
number of policy changes as results of complaints
number of legislation changes as results of complaints
number of enforcement actions as results of complaints
% of complaints which are open > 12 months where enforcement actions have been taken
% of closed/ resolved complaints

SANCTIONS

General Enforcement Actions

Number of enforcement actions – criminal & administrative

Warning letters

Number of sanctions - warning letters

Number of enforcement actions

Number of appealed penalties
Time spend on enforcement actions per sector
Number of directions issued to other authorities
Number of directions received by inspectorate
Number of directions closed out.
Time to close out directions
Number of directions complied with
Enforcement Actions: Notices
Number of notices
Number of warning notices
Number of legal notices
Number and type of Statutory Notices
% of legal notices complied with
Time spent on legal notices
Number of improvement notices
Enforcement Actions: Prosecutions/Court Action
Number of successful cases
Number of successful prosecutions

Total number of prosecutions taken

Total number of prosecutions proposed

Number of prosecutions instigated

Number of prosecutions proposed

Number of cases resulting in prosecution being taken

Number of cases taken in district courts

Number of files to the Director of Public Prosecutions (Higher Courts - Circuit Court)

Number of cases taken in higher courts

% of cases sent to public prosecutor

Number of cases not taken by public prosecutor

Resources spent as a result of prosecutions, e.g. abatement investment.

Total costs recovered from prosecutions.

Total number of fines and costs.

Enforcement Actions: Fines

Number of fines

amount of fines received

Number of on the spot fines

Average fines paid

% of fines collected

Number of administrative fines

ratio of penalties imposed

Number of penalties imposed

Number of persons with penalties

Total amount of prosecution fines

Total amount of administrative fines

COMMUNICATION

Public feedback and complaints

Number of media articles by category by quarter

Number of representations from elected members

Degree of public participation in granting of permits

Number of meetings with residents

Number of reports published for the public

Good communication with other authorities

Number of network meetings

Communication with other networks

Communication with other interest groups
Number of schools partaking in green flag scheme
Number of drinking water boil notices
Number of compliance meetings with IPPC sites
Memos of understanding with other inspectorates
Survey of stakeholders (satisfaction)
Assigning resource such as education and awareness to improve general complia

COMPLIANCE

Indicators relating to Compliance

Number of non-conforming sites brought into compliance
Time taken to reach compliance
Compliance with statutory standard
Level of compliance of IPPC facilities
Ratio of actual emission to IPPC permitted emission ELVs
Number of revised permits issued as a result of inspections
% Improvement / compliance
Trend of exceeding Emission Limit Values of a no. of years

Amount of methane emitted by landfills as an example of using PRTR figures
Risk rating trend over time
Reduction of emissions as a result of inspections and corrective measures
Trend of % of non-compliant installations –classification of non-compliances e.g. w
Trend of exceeding ELVs over a number of years
% Improvement/ compliance
Time taken to reach compliance(already mentioned elsewhere)
Trend of % of non-compliant installations – classification e.g. waste, water
Time between expected compliance and actual compliance
% of high risk sites
% of closed/ resolved complaints
PRTR - environmental significance of facilities being controlled by plan
Average time need to come to conformity
Time taken to reach compliance
Trend of % of non-compliant installations – classification e.g. waste, water
Number of non-compliant installations
Compliance with inspections proposed
Time between expected compliance and actual compliance