

Experiences on using data from environmental authorities' administrative databases



OAGN's investigation into the management of hazardous waste

Audit question 1: To what extent does the governance of the Ministry of Environment and the Climate and Pollution Agency contribute to safe and proper handling of hazardous waste?

Audit question 2: To what extent is the collection of hazardous waste effective?

Audit question 3: To what extent is hazardous waste dealt with in a safe and proper manner in facilities dedicated for reception and treatment?

Audit question 4: To what extent does the government have control of import and export of hazardous waste?



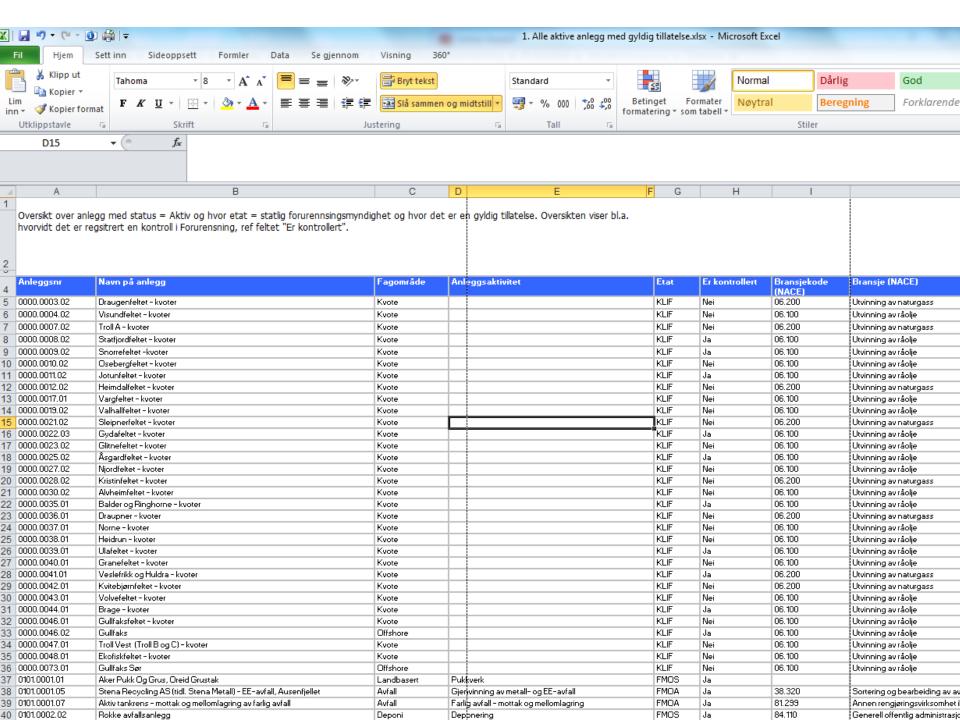
The audit combined several data sources

- Interview data
- Policy documents
- Case files (permits, reporting, inspection reports)
- Administrative databases used by the environmental authorities
- Official statistics
- Specialist's reports
- Study of physical waste flows conducted by external consultants.
- Export permits
- Survey data
- Input from cooperation with municipal city auditors



Why use a administrative data base?

- Extract statistics on how the facilities are managed
 - Number of facilities
 - Number of permits
 - Supervisory activities
 - Compliance at facilities (non-conformities)
- Statistical supplement to support the case file analysis
- Detailed data less work load for the auditee





What was uncovered when we analysed the data

- 1. Incorrect coding
- 2. Lack of registrations
- 3. Incomplete registrations



1. Incorrect coding in the agency's internal adminstration system

Anleggsnr •	Navn på anlegg	Fagområde •	Anleggsaktivitet •	Etat ▼	Er kontrolle	Bransjekode (NACE)	Bransje (NACE)
0101.0001.05	Stena Recycling AS (tidl. Stena Metall) - EE-avfall, Ausenfjellet	Avfall	Gjenvinning av metall- og Œ-a vfall	FMOA	Ja	38.320	Sortering og bearbeiding av avfall for materialgjenvinning
0101.0001.07	Aktiv tankrens - mottak og mellomlagring av farlig avfall	Avfall	Farlig avfall - mottak og mellomlagring	FMOA	Ja	81.299	Annen rengjøringsvirksomhet ikke nevnt annet sted
0101.0020.01	RØSNÆS BILOPPHUGGERI ODD RØSNÆS	Avfall	Kasserte kimretøv	FMOS	Nei	01.110	Dyrking av kom (unrtatt ris), belgvekster og oljeholdige vekster
0104.0001.01	Østfold Septik - Industriservice	Landbasert		KLIF	Ja	81,210	Rengjøring av bygninger
0104.0017.01	Thorvaldsen Transport AS	Avfall	Farlig avfal - innsamling	KLIF	Ja	49.410	Godstransport på vei
0104.0018.01	NSO Oljegjenbruk AS Inprecise	Landbasert	Farlig avfall - behandling	KLIF	Ja	20.590	Produksjon av kjemiske produkter ikke nevnt annet sted
0104.0019.01	AANERØDJ&SØNNAS subject field	Avfall	Avfall - mottak, mellomlagring og sortering	FMOS	Ja	68.320	Bendomsforvaltning
0417.0013.01	ScanPole Norge as	Landbasert	Farlig avfall - behandling	KLIF	Ja	16.100	Saging, høvling og impregnering av tre Incorrect
	Jens Berger & Sønner	Landbasert		PMHE	Nei		business
1601.0240.01	Heimdal varmesentral	Landbasert	Avfallsforbrenning Divergence	SMith a	etivity	84.110	Generell of fentlig administrasjon descriptions
	Værøy kommune - motta ksstasjon for farlig avfall v/ Værøy Auto	Avfall	Avfall - mottak, mellomlagri djeş ertipitji o r	S MNO	Ja	84.110	Generell of fentlig administrasjon
1601.0029.01	Ing. Karl Henry Wickstrøm	Landbasert		FMST	Nei	38.220	Behandling og disponering av farlig avfall
0437.0001.01	RECO AS	Avfall	Farlig avfal - innsamling	KLIF	Nei	49.410	Godstransport på vei
0502.0014.01	Elektrogjenvinning Norge AS behandlingsanlegg lysstoffrør	Landbasert	Farlig avfal - behandling	KLIF	Ja	38.320	Sortering og bearbeiding av avfall for materialgjenvinning
0502.0050.01	Oppland Metall Œ-a vfall og farlig avfal, mottak, sortering og mellomlagring	Avfall	Gjenvinning av metall- og Œ-a vfall	FMOP	Ja	38.320	Sortering og bearbeiding av avfall for materialgjenvinning
0626.0003.02	XO, lager og omlasting	Avfall	Farlig avfall - mottak og mellomlagring	FMBU	Nei	46.770	Engroshandel med a vfall og skrap
0805.0028.01	Norcem Brevik	Landbasert	Farlig avfal - behandling	KLIF	Ja	23.510	Produksjon av sement
1103.0089.01	T. STANGELAND MASKIN AS	Landbasert	Farlig avfall - behandling	KLIF	Ja	43.120	Grunnarbeid
1103.0214.02	Amdal Container Utleie AS	Avfall	Farlig avfall - innsamling	KLIF	Nei	77.390	Utleie og leasing av andre maskiner og annet utstyr og materiel ikke nevnt annet sted
1124.0005.01	MI Swaco, Tananger Base	Landbasert	Farlig avfal - behandling	KLIF	Ja	74.909	Annen faglig, vitenskapelig og teknisk virksomhet ikke nevnt annet sted
1201.0425.01	Vitek, mottakfarlig avfall	Avfall	Farlig avfall - mottak og mellomlagring	PMH0	Ja	37.000	Oppsamling og behandling av a vløpsvann
1246.0099.01	Coast Center Base AS CCB Ågotnes	Avfall	Farlig avfall - mottak og mellomlagring	FMH0	Ja	52.223	Forsyningsbaser
1263.0002.02	Baker Hughes Drilling Fluids, Mongstad base	Landbasert	Farlig avfal - behandling	KLIF	Ja	09.101	Boretjenester tiknyttet utvinning av råolje og naturgass



Lack of registrations

- Enterprises regulated through regulations (with the exception of crematoriums), such as municipal reception and intermediate storage facilities for hazardous waste, are not registered in Forurensning unless they have been subjected to supervisory activities.
- Consequence: This creates an incomplete number of inspection objects

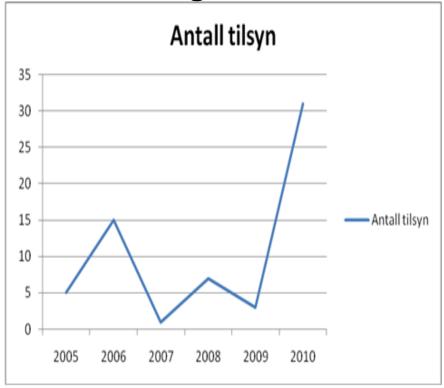


3. Incomplete registrations

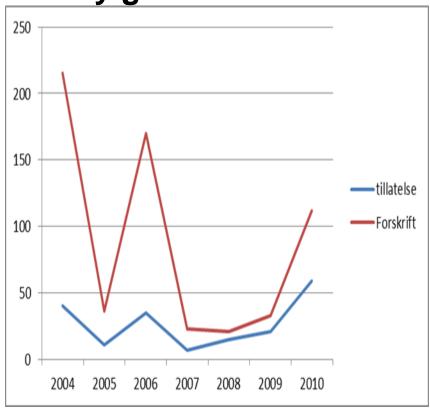
- The database is used by the Norwegian Climate and Pollutions Agency and the county governors to follow up inspections objects
- Comparing case files with statics showed divergences, due to lack of registrations
- Facilities regulated only through regulations (no permits) were not registered unless they had been subject to supervisory activities

Deviations in statistics from direct reporting and Forurensning database

Forurensing database



Direct reporting from county governors





Consequences for our audit

- Had to collect more data, directly from county governors – more work for auditees
- Many rounds of further quality assurance
- Incomplete data
- Difficult to rely on statistics: Issues related to
 - Validity
 - Reliability



Outcome for authorities: Poor management information

- Faulty coding gives imprecise overview over the scale of facilities which are regulated under the same laws and regulation
- Lack of registrations of facilities creates incomplete information basis for supervision planning
- Similarly poor registrations of conducted inspections etc. make it difficult to do a proper follow up in the area