

Demolition Monitoring

A GUIDE FOR TRAINING
MONITORS IN 404 HMGP DEMOLITIONS AND DEBRIS REMOVAL

Iowa Homeland Security and Emergency Management



Why is Monitoring Needed?

▣ VERIFICATION that the work completed is within the specified scope

▣ Provides the required DOCUMENTATION that will provide for Public Assistance and/or Hazard Mitigation Grant program reimbursement

Monitoring Staff:

THE PRIMARY FUNCTIONS OF THE MONITOR ARE TO:

- ❑ Document the demolition and debris removal process
- ❑ Insure that the contractor abides by the specifications contained in the contract
- ❑ Enforce archeological requirements for the cessation of work if human remains or artifacts are unearthed. MINIMAL SOIL DISTURBANCE AT THE SITE IS MANDATED!
- ❑ Protect the workers and public

Monitoring Need-to-Knows:

- ▣ Know the type of demolition debris being generated!
- ▣ The monitor should have a working knowledge of the contract to ensure compliance by the contractor
- ▣ Debris life cycle- Where did it start? Where did it end up?
- ▣ The monitor should maintain a list of the following: Contractor's personnel & phone numbers of those involved in the demolition process, vehicles/machinery used in the demolition process.

DOCUMENT:

- ▣ The amounts of debris being collected
- ▣ The original collection location (Address and GPS Coordinates)
- ▣ The disposal process and location of final disposition (landfill)

DOCUMENTATION-Load Tickets:

- ❑ Load Tickets typically have 4 carbon copies for each load of debris
- ❑ Load Tickets are issued by the monitor at the demolition site
- ❑ The Load Ticket, not the landfill ticket, must contain all data and signatures of the appropriate personnel
- ❑ The monitor is responsible for holding and organizing all load tickets and landfill tickets
- ❑ The monitor is responsible for providing copies of everything to the appropriate parties (contractor, applicant, State/FEMA)

LOAD TICKET

Load Ticket		Ticket No. 0012345	
Municipality (Applicant)		Prime Contractor	
		Sub-Contractor	
Truck Information			
Truck No		Capacity	
Truck Driver (print legibly)			
Loading Information			
Loading	Time	Date	Inspector/Monitor
Location (Address or Cross Streets)			
When Using GPS Coordinates use Decimal Degrees (N xx.xxxxx)			
N		W	
Unloading Information			
Debris Classification		Estimated %, CYs, or Actual Weight	
<input type="checkbox"/> Vegetation <input type="checkbox"/> C&D <input type="checkbox"/> White Goods <input type="checkbox"/> HHW <input type="checkbox"/> Other* See Below			
Unloading	Time	Date	Inspector/Monitor
DMS Name and Location			
*Other Debris Explanation		Original: _____ Copy 1: _____ Copy 2: _____ Copy 3: _____	
		Applicant	

LANDFILL TICKETS

- Landfill tickets are typically attached to the load tickets, indicating the gross weight of the truck upon entering the disposal facility, and the net weight of the load.

CR/LC SOLID WASTE AGENCY #1
2250 A Street SW
Cedar Rapids, Iowa 52404

000394 DW ZANER COMPANY
1775 COMMERCIAL DRIVE
WALFORD IA 52351

Scale 1 Gross Wt. 82780 LB
Scale 1 Tare Wt. 43660 LB
Net Weight 39120 LB

Operating hours 8:00AM to 3:30 PM Mon-Sat.
This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.
Fee includes: 6% state tax, \$3.65/ton DNR fee.

NET AMOUNT 2335.20

CHANGE

CHECKED

SIGNATURE

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10/29/2008

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	FEES	TOTAL
19.46	TON	FRIABLE ASBESTOS	120.00	2335.20	0.00	2335.20

DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
10/29/08	10/29/08	08:17	08:30		

REFERENCE: DWRGN

SAR318

inbound - Charge ticket

DAILY HAUL RECORD

- The Haul Record combines information from the load and landfill tickets
- Summarizes all hauling activities per property
- This sheet includes a breakdown of:
 - C&D
 - Basement fill
 - Is accompanied by the load and landfill tickets

MONITOR'S ROLE IN THE FIELD

- ▣ The monitor must be on site throughout the entire demolition process
- ▣ Completes and physically controls load tickets
- ▣ Ensures trucks are accurately credited for their loads
- ▣ Ensures trucks are not loaded with unauthorized debris
- ▣ Ensures the site is properly secured before the demolition measures begin
- ▣ Checks credentials of all personnel involved in the demolition

MONITOR'S ROLE (cont.)



- ❑ Oversees site restoration- fill and compaction.
- ❑ Reports to the project manager if faulty, unsafe or improper equipment is used or if safety standards are lacking
- ❑ Ensures that work ceases if human remains or archeological deposits are discovered

MONITOR'S ROLE (cont.)



- Sees that 3-4 photos are taken of each site during the demolition process.
- Knows rules on hazardous materials for the job site and how they are to be treated.
- Is familiar with demolition procedures.
- 404 demolitions require green space compliance- all structures must be removed!

Site Setup



- Mandatory- A properly fenced Demolition Zone- protects possible onlookers
- Unauthorized personnel are not permitted in the Demo Zone at any time, until the structure is fully removed

Truck and Trailer



Trucks without a tailgate (L) or without a solid metal tailgate (R) are not appropriate for any demolition debris hauling

Examples

















