

## Site (Data) : Mihama

Stock of waste as at March 2005

Country: JAPAN

Reporting Year: 2004

**Site Name:** MihamaFull Name: The Kansai Electric Power Co., Inc. ::  
Mihama Nuclear Power Station

Inventory Reporting Date: March 2005

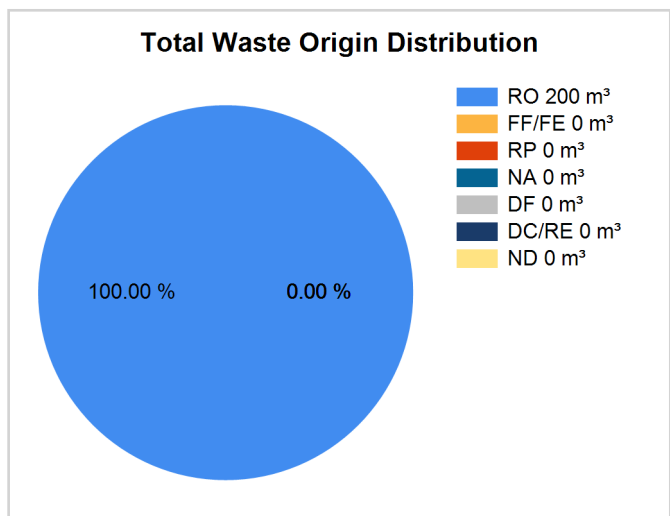
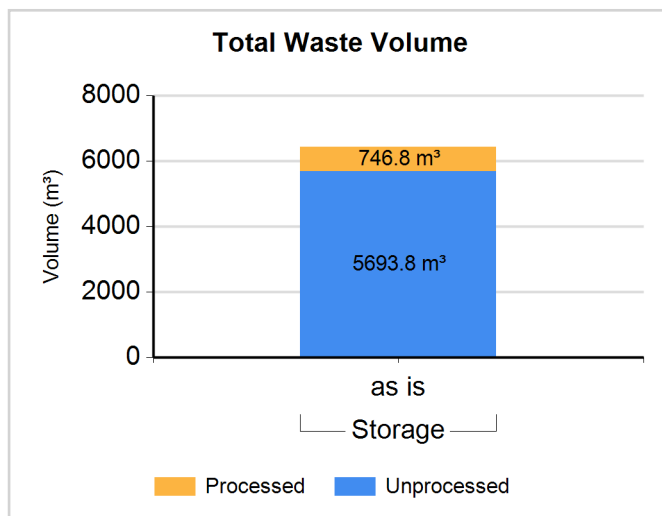
Waste Matrix Used: JP

Comment # 6941: Power Reactor facility

- Mihama-1(PWR, 340MWe) op 1970-11-28
- Mihama-2(PWR, 500MWe) op 1972-07-25
- Mihama-3(PWR, 826MWe) op 1976-12-01

**Waste Inventory**

Est=distribution is an estimate, Proc.=Is the waste processed (Yes/No)? RO=Reactor Operations, FF/FE=Fuel Fabrication/Fuel Enrichment, RP=Reprocessing, NA=Nuclear Applications,DF=Defence, DC/RE=Decommissioning/Remediation, ND=Not Determined



Note: where volume "as dispo" is provided, volume "as is" is used in the graph instead.

**Waste Class: WfPR**

| Waste Class Name | Location / Facility | Proc | Est. | Volume "as is" (m³) | Volume "as dispo" (m³) | RO %   | FF/FE % | RP % | NA % | DF % | DC/RE % | ND % |
|------------------|---------------------|------|------|---------------------|------------------------|--------|---------|------|------|------|---------|------|
| WfPR (solid)     | Storage / NPP       | N    | N    | 5693.800            | 5693.800               | 100.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 |
| WfPR (solid)     | Storage / NPP       | Y    | N    | 746.800             | 746.800                | 100.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 |

Comment # 9829: Waste Inventory in KansaiEP::Mihama NPP

- 26,813 drums (200L equivalent) in SWS/B
  - 966 m³ in SGS/B
  - 112 m³ in tanks
- †:Waste stored in pool/bunker and replaced SGs are not reported.  
+ 7 Steam Generators, 703 spent control rods etc.

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**Processing - Treatment method(s)**

| Method       | Status  |             |   |               |
|--------------|---------|-------------|---|---------------|
|              | Planned | R&D program | Current practice method use over the last 5 years | Past Practice |
| Compaction   | N       | N           | Same  | N             |
| Evaporation  | N       | N           | Same  | N             |
| Incineration | N       | N           | Same  | N             |
| Ion Exchange | N       | N           | Same  | N             |

Comment # 9830: Waste Processing in KansaiEP::Mihama NPP

Desorption of spent resin was reported as "Ion Exchange".

**Processing - Conditioning method(s)**

| Method                      | Status  |             |   |               |
|-----------------------------|---------|-------------|---|---------------|
|                             | Planned | R&D program | Current practice method use over the last 5 years | Past Practice |
| Bituminization              | N       | N           | Same  | N             |
| Casting (of metal and slag) | N       | N           | Same  | N             |
| Cementation                 | N       | N           |   | Y             |
| Grouting                    | N       | N           | Same  | N             |