

2000

1, 2

Database

Study on the Plan of Record Keeping and Its Database Establishment for Decommissioning of KRR 1 & 2

1, 2

Database

가

Visual basic

Database

Abstract

The record management and the database system establishment were planned on the information related with decommissioning of Korea Research Reactor 1 & 2 (KRR 1 & 2). Record and information are digitally kept with the main classification of pre and post decommissioning where the former includes design drawings, safety analysis, construction specification and technical manual, operation and thermal output records, radiological archives, accident records, decommissioning plan, radioactivity survey, method statement, and the latter has records of the kind and volume of decommissioning wastes, material flow management, worker's exposure, and manpower. In the present study, the computer database system with the software of visual basic was graphically schemed as a digital tool for the storage, reading, retrieval, output and update of input materials.

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[1].

1, 2

1962

1972

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1995 2

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1, 2

1995 1 12

1997

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[2].

가

[3].

가

가

가

가

가

1, 2

Database

PDP
 AECL Whiteshell Reactor(WR-1)
 Basic Subject Index (BSI) System [6].
 가 BSI
 Whiteshell Decommissioning Record System(WDRS) , WDRS
 Registry, , BSI , Annual Housekeeping,
 / BSI WDRS
 AECL
 AECL conference , Consultant
 가 BSI AECL
 가
 Sub - file
 , Sub - file Logbook,
 / 가 , 가
 WDRS Access Roll

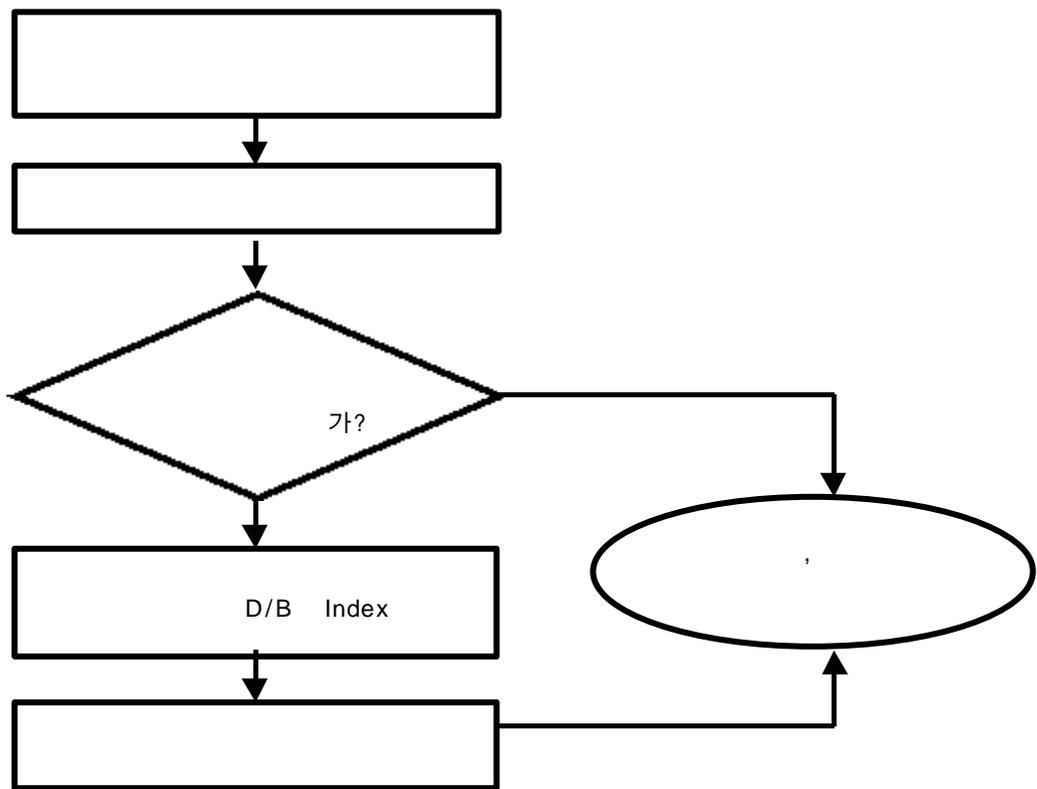
BR-3
 Material Flow Management(MFM)
 [7]. MFM
 Reference , Batch
 Batch . Batch Data가

II.3

Database
Regular paper
Database
Database
Scanning
Regular paper
Index

1

[5-9].



1.

III. 1, 2 Database

III.1 1, 2

1962 30 1, 2 , ,
 1 16 46 , 2 408 1661
 424 1707 가

90 , 122 463 , , 53
 As-built 1 352 , 2 689
 1041 가
 가 ,
 Microfiches
 Regular paper .

III.2 Material Flow Management(MFM)

1, 2

가 .

[7]. , MFM Database

, Database

1, 2

MFM

Database

가

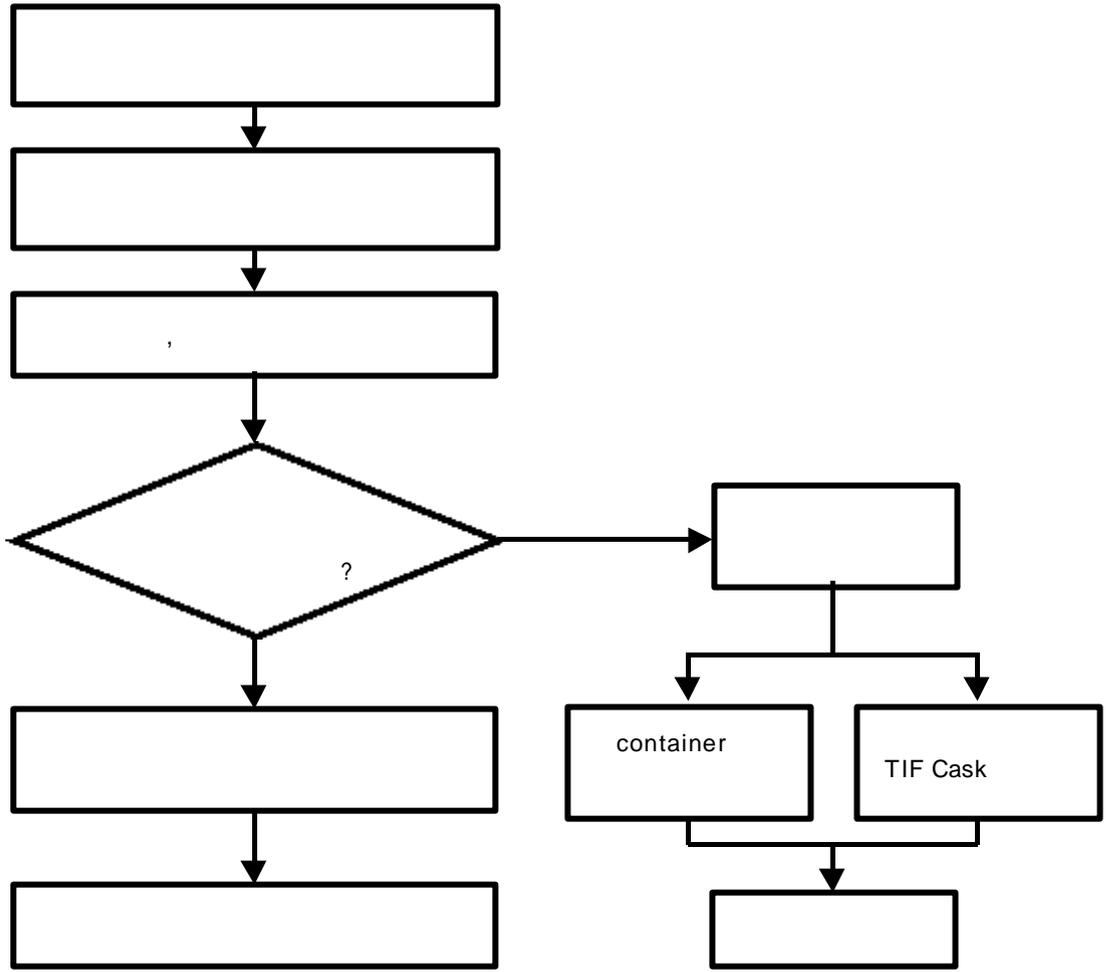
가 가

Framework

2

1, 2

MFM



2. 1, 2 Material Flow Management

2 1, 2 가

Batch

Data

[10].

Container

TRIGA

Irradiated Fuel Cask(TIF)

Database

III.3

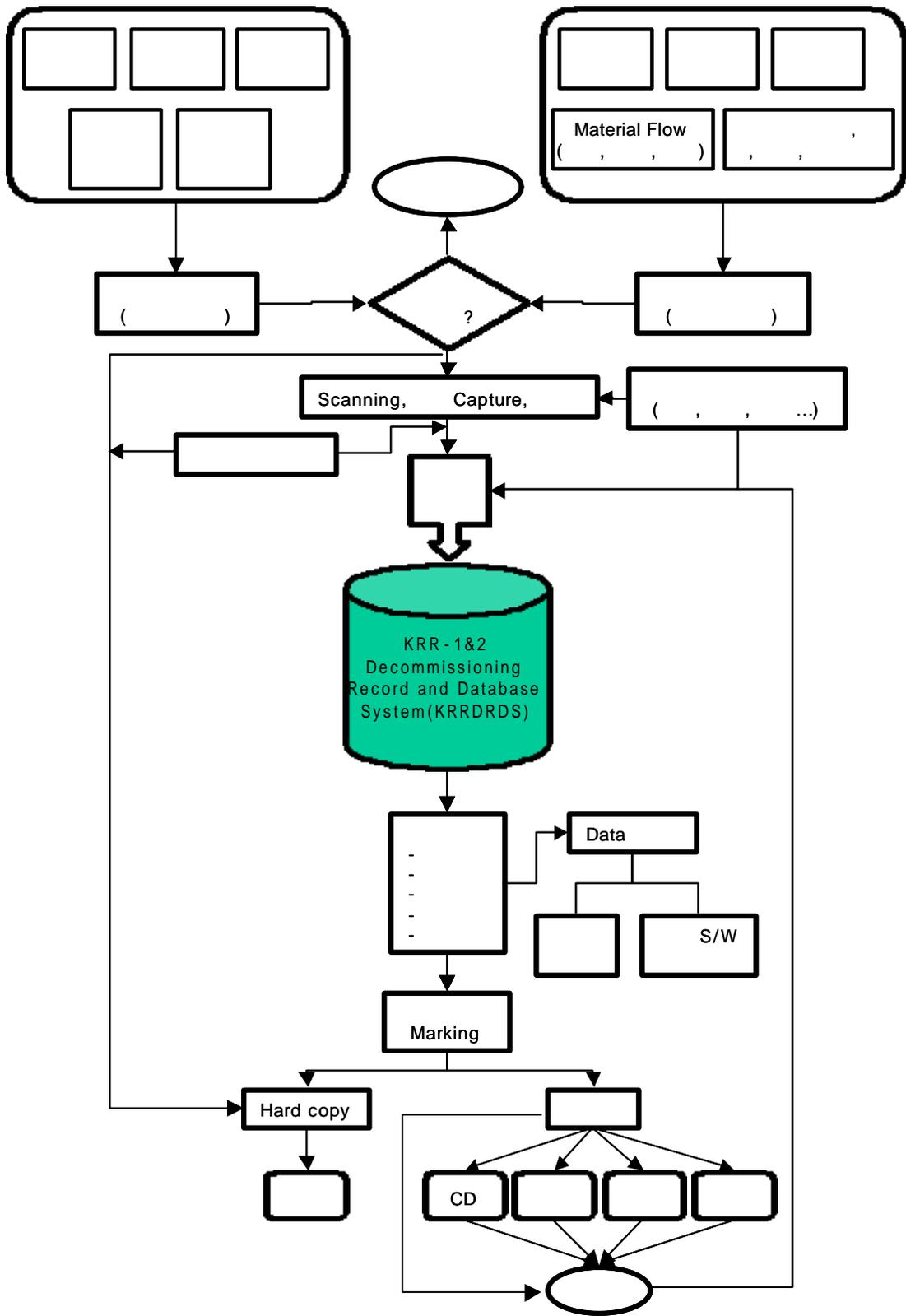
1, 2
 가 , 가 .
 가 . 1, 2 424 1707
 (Regular Paper) 30
 [11]. 1, 2
 Material
 Flow Regular Paper ,
 1 , 가
 /
 , Access , 가
 [11]. Compact Disk(CD)
 . CD 650Mb
 , Data 가 .
 Access가 가 .
 Data
 Scanning , CD 100
 가 5 - 10 . Data CD
 Backup .

III.4 Database

Database , ,
 PC 가 Access
 Visual Basic Database . 3 1, 2
 Database .
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1.

Hard Copy	Regular Paper	가 · · · Legality	· · 가 ·	·
	Permanent Paper	· · Legality	· printing · · 가 ·	·
Microfilm/ Microfiches		· Data · · · Legality	· 가 · Handling · · 가 · Hard copy ·	100-200
Magnetic Disk (Hard Disk)		· 가 ·	Data 가 data · · Paper Scanning Disk · Legality	5-10
Optical Disk (CD)		· Data · 가 · Data access · · Data	Legality Hard copy Scan Disk	Disk 100 가 5-10
Magnetic Tape		· / · Data · Data access · Data 가	· 가 · · Handling · Hard copy Scan Tape · Legality · Data access	---
R/W CD		· Data 가 · 가 · Data access · · Data	Legality Paper Scanning Disk · System (100 Mb) · CD 가	---
Zip disk		· Data 가 · Data · Floppy disk handling	· (100Mb) · · Data access 가 · Hard copy Scan Disk	---
MO Disk		· Data 가 · Data · Floppy disk · (CD가 650 Mb 2Gb)	· · Data access 가 · Hard copy Scan Disk	---
Floppy Disk		· Data 가 · Data ·	· · Data access 가 · Hard copy Scan Disk · (Mb) ·	---



3. 1, 2

Database

Cleaning,

[8].

[8].

1

2

3 Database

Database

Scanning,

Capture

Database

가

Database

CD,

Database

가 가

IV.

1, 2

Database

, Visual basic

Database

Visual basic

Database

가

1, 2

Data

1, 2

Database

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