

TABLE OF CONTENTS

PART 1: GENERAL PERMIT CONDITIONS

<u>Permit Condition</u>	<u>Subject</u>	<u>Regulation (20.4.1 NMAC)</u>	<u>Page</u>
I.A.	Permit Construction: Citations	incorporating 40 CFR §260 through §270	1-1
I.B.	Severability	incorporating 40 CFR §124.16(b)	1-1
I.C.	Definitions		1-1
I.D.	Effect of Permit	.900 incorporating 40 CFR §270.4 and §270.30(g)	1-4
I.E.	Permit Actions	.900 incorporating 40 CFR§270.4(a) and §270.30	1-5
I.E.1.	Term of Permit	.900 incorporating 40 CFR§270.50(a)	1-5
I.E.2.	Permit Modification, Suspension and Revocation	Hazardous Waste Act (HWA) 74-4-4.2, and .900 incorporating 40 CFR§270.41 through §270.43	1-5
I.E.3.	Permit Renewal	.900 incorporating 40 CFR§270.10(h), and §270.30(b)	1-5
I.E.4.	Continuation of Expiring Permit	.900 incorporating 40 CFR§270.51	1-6
I.E.5.	Transfer of Permit	.500 incorporating 40 CFR §264.12(c) and .900 incorporating 40 CFR§270.40(b); §270.41(b)(2)	1-6
I.E.6.	Permit Review	.900 incorporating 40 CFR§270.41, §270.50(b) and §270.50(d)	1-6
I.E.7.	Scope of Permit		1-6
I.F.	Duties and Requirements	.900 incorporating 40 CFR§270.30	1-6
I.F.1.	Duty to Comply	.900 incorporating 40 CFR §270.30(a)	1-6

PART 1: GENERAL PERMIT CONDITIONS (Continued)

<u>Permit Condition</u>	<u>Subject</u>	<u>Regulation (20.4.1 NMAC)</u>	<u>Page</u>
I.F.2.	Duty to Reapply	.900 incorporating 40 CFR §270.10(h) §270.30(b)	1-7
I.F.3.	Need to Halt or Reduce Activity Not a Defense	.900 incorporating 40 CFR §270.30(c)	1-7
I.F.4.	Duty to Mitigate	.900 incorporating 40 CFR §270.30(d)	1-7
I.F.5.	Proper Operation and Maintenance	.900 incorporating 40 CFR §270.30(e)	1-7
I.F.6.	Duty to Provide Information	.500 incorporating 40 CFR §264.74(a) .900 incorporating 40 CFR §270.30(h)	1-8
I.F.7.	Inspection and Entry	.900 incorporating 40 CFR §270.30(i)	1-8
I.F.8.	Monitoring and Records	.500 incorporating 40 CFR §264.74(b) .900 incorporating 40 CFR §270.30(j)	1-8
I.F.9.	Reporting Planned Changes	.900 incorporating 40 CFR §270.30(l)	1-9
I.F.10.	Reporting Anticipated Noncompliance	.900 incorporating 40 CFR §270.30(l)	1-10
I.F.11.	Certification of Construction or Modification	.900 incorporating 40 CFR §270.30(l)	1-10
I.F.12.	Twenty-Four Hour and Subsequent Reporting	.900 incorporating 40 CFR §270.30(l)	1-10
I.F.13.	Corrective Action	.500 incorporation 40 CFR §264.101	1-12
I.F.14.	Admissibility of Data		1-12
I.F.15.	Other Noncompliance	.900 incorporating 40 CFR §270.30(10)	1-12

PART 1: GENERAL PERMIT CONDITIONS (Continued)

<u>Permit Condition</u>	<u>Subject</u>	<u>Regulation (20.4.1 NMAC)</u>	<u>Page</u>
I.F.16.	Other Information	.900 incorporating 40 CFR §270.30(11)	1-12
I.G.	Signatory Requirement	.900 incorporating 40 CFR §270.11 and §270.30(k)	1-12
I.H.	Reports, Notifications, and Submissions to the NMED	.500 incorporating 40 CFR §264 Subpart E	1-12
I.I.	Confidential Information	.900 incorporating 40 CFR §270.12	1-13
I.J	Documents to be Maintained Until Completion of Closure	.500 incorporating 40 CFR §264	1-13

PART 2 GENERAL FACILITY CONDITIONS

II.A.	Operation and Maintenance of the Container Storage Unit	.500 incorporating 40 CFR §264.31	2-1
II.B.	Waste Sources	.500 incorporating 40 CFR §264.12(b)	2-1
II.B.1.	Permitted Waste		2-1
II.B.2.	Hazardous Waste Imports		2-1
II.B.3.	Hazardous Waste From Off-site Sources		2-1
II.B.4.	Specific Waste Ban	.800 incorporating 40 CFR Part 268	2-1
II.B.5	Additional Waste Ban Requirements	.800 incorporating 40 CFR Part 268	2-2
II.B.6.	Land Disposal Restrictions	.800 incorporating 40 CFR Part 268	2-2

PART 2: GENERAL FACILITY CONDITIONS (Continued)

<u>Permit Condition</u>	<u>Subject</u>	<u>Regulation (20.4.1 NMAC)</u>	<u>Page</u>
II.C.	General Waste Characterization	.500 incorporating 40 CFR §264.13	2-3
II.C.1.	General Requirements	.500 incorporating 40 CFR §264.13	2-3
II.C.2.	Acceptable Knowledge		2-5
II.C.3.	Waste Sampling	.500 incorporating 40 CFR §264, Appendix IV	2-6
II.C.4.	Laboratory Analysis		2-6
II.C.5.	Quality Assurance (QA)/ Quality Control (QC)	.500 incorporating 40 CFR §264.13	2-7
II.C.6.	Air Emissions	.500 incorporating 40 CFR §264 Subpart BB and CC	2-8
II.C.7.	Waste to be Shipped to an Off-Site Facility	.500 incorporating 40 CFR Part 262	2-9
II.C.8.	Remediation Wastes	.500 incorporating 40 CFR §264.1(j)	2-9
II.C.9.	Containerized Waste	.800 incorporating 40 CFR §268.42(c)	2-10
II.C.10.	Impermissible Dilution	.800 incorporating 40 CFR §268.3	2-10
II.C.11.	Waste Characterization Records	.500 incorporating 40 CFR §263.73	2-10
II.C.12.	Notification and Certification	.800 incorporating 40 CFR §268.7 & 268.9	2-11
II.D.	Waste Minimization	.800 incorporating 40 CFR §262.41(6-7)	2-12
II.E.	Dust Suppression	.700 incorporating 40 CFR §266.23(b)	2-13
II.F.	Required Notices		2-14
II.F.1.	Liquid Hazardous Wastes Containing Polychlorinated		

	Biphenyls (PCBs)		2-14
II.G.	Security	.500 incorporating 40 CFR §264.14	2-14
II.G.1.	Barriers and Means to Control Entry	.500 incorporating 40 CFR §264.14(b)(2)	2-15
II.G.2.	Warning Signs	.500 incorporating 40 CFR §264.14(c)	2-15
II.H.	General Inspection Requirements	.500 incorporating 40 CFR §264.15	2-15
II.H.1.	Inspection Schedule	.500 incorporating 40 CFR 264.15(a)	2-15
II.H.2.	Inspection Frequency	.500 incorporating 40 CFR §264.15(b)	2-15
II.H.3.	Remediation of Equipment/ Structures	.500 incorporating 40 CFR §264.15(c)	2-15
II.H.4.	Inspection Log and Checklist	.500 incorporating 40 CFR §264.15(d)	2-16
II.H.5.	Inspection Records	.500 incorporating 40 CFR §264.15(d)	2-16
II.I.	Personnel Training	.500 incorporating 40 CFR §264.16	2-16
II.I.1.	Personnel Training Requirements	.500 incorporating 40 CFR §264.16	2-16
II.I.2.	Personnel Training Content	.500 incorporating 40 CFR §264.16(a-c)	2-16
II.I.3.	Personnel Training Records	.500 incorporating 40 CFR §264.16(d-e)	2-16
II.J.	General Requirements for Handling Ignitable, Reactive, or Incompatible Wastes	.500 incorporating 40 CFR §264.17	2-16
II.K.	Preparedness and Prevention	.500 incorporating 40 CFR §264.30-35, and §264.37	2-17

II.K.1.	Required Equipment	.500 incorporating 40 CFR §264.32	2-17
II.K.2.	Testing and Maintenance of Equipment	.500 incorporating 40 CFR §264.33	2-17
II.K.3.	Access to Communications or Alarm System	.500 incorporating 40 CFR §264.34	2-17
II.K.4.	Required Aisle Space	.500 incorporating 40 CFR §264.35	2-17
II.K.5.	Arrangements with Local Authorities	.500 incorporating 40 CFR §264.37	2-17
II.L.	Contingency Plan	.500 incorporating 40 CFR §264.50-55	2-18
II.L.1.	Implementation of Plan	.500 incorporating 40 CFR §264.51(b)	2-18
II.L.2.	Copies of the Plan	.500 incorporating 40 CFR §264.53	2-18
II.L.3.	Amendments to Plan	.500 incorporating 40 CFR §264.54	2-18
II.L.4.	Emergency Coordinator	.500 incorporating 40 CFR §264.55	2-18
II.M.	Manifest System	.500 incorporating 40 CFR §264.71, §264.71, §264.73, and §264.76	2-18
II.N.	Record Keeping and Reporting	.500 incorporating 40 CFR §264.73 .500 incorporating 40 CFR §264.75	2-18
II.N.1.	Operating Record	.500 incorporating 40 CFR §264.73(a)	2-19
II.N.2.	Biennial Report	.500 incorporating 40 CFR §264.75	2-19
II.N.3.	Personnel and Telephone Number Changes		2-19
II.O.	General Closure Requirements	.500 incorporating 40 CFR §264.111-115	2-19

PART 2 GENERAL FACILITY CONDITIONS (Continued)

<u>Permit Condition</u>	<u>Subject</u>	<u>Regulation (20.4.1 NMAC)</u>	<u>Page</u>
II.O.1.	Performance Standard	.500 incorporating 40 CFR §264.111	2-19
II.O.2.	Amendment to Closure Plan	.500 incorporating 40 CFR §264.112(c)	2-19
II.O.3.	Notification of Closure	.500 incorporating 40 CFR §264.112(d)	2-19
II.O.4.	Time Allowed for Closure	.500 incorporating 40 CFR §264.113	2-19
II.O.5.	Disposal or Decontamination of Equipment, Structures, and Soils	.500 incorporating 40 CFR §264.114	2-20
II.O.6.	Sampling for Metals, Organics, and Halogenated Organics in the Container Storage Facility Building		2-20
II.O.7.	Certification of Closure	.500 incorporating 40 CFR §264.115	2-20
II.P.	General Post-Closure Requirements	.500 incorporating 40 CFR §264.117	2-20
II.P.1.	Clean Closure		2-20
II.P.2.	Post-Closure Care Permit	.500 incorporating 40 CFR §264.117 through §264.120	2-20
II.Q.	Transportation of Hazardous Waste	.400 incorporating 40 CFR §263	2-21
II.R.	Groundwater Monitoring		2-21

PART 3: STORAGE OF HAZARDOUS WASTE IN CONTAINERS

<u>Permit Condition</u>	<u>Subject</u>	<u>Regulation (20.4.1 NMAC)</u>	<u>Page</u>
III.A.	Part Highlights		3-1
III.A.1.	Waste Handling Building		3-1
III.B.	Permitted and Prohibited Waste Identification		3-2
III.B.1.	Permitted Waste		3-2
III.B.2.	Prohibited Waste		3-2
III.C.	Condition of Containers	.500 incorporating 40 CFR §264.171	3-2
III.C.1.	Acceptable Storage Containers		3-3
III.C.1.	Acceptable Storage Containers	49 CFR §173; and §178	3-3
III.D.	Compatibility of Waste with Containers	.500 incorporating 40 CFR §264.172	3-3
III.E.	Management of Containers	.500 incorporating 40 CFR §264.173	3-3
III.F.	Secondary Containment Systems	.500 incorporating 40 CFR §264.175 and .900 incorporating 40 CFR §270.15	3-3
III.G.	Inspection Schedules and Procedures	.500 incorporating 40 CFR §264.174	3-3
III.H.	Record Keeping	.500 incorporating 40 CFR §264.73(a)	3-4
III.I.	Closure	.500 incorporating 40 CFR §264.178	3-4
III.J.	Special Container Provisions for Ignitable or Reactive Waste	.500 incorporating 40 CFR §264.176	3-4
III.J.1.	Location of Ignitable		

	and Reactive Waste	.500 incorporating 40 CFR §264.176	3-4
III.J.2.	Procedures to Prevent Ignition/Reaction	.500 incorporating 40 CFR §264.17(a)	3-4
III.J.3.	Storage of Hazardous Waste Containers		3-4
III.K.	Special Container Provisions for Incompatible Waste	.500 incorporating 40 CFR §264.177(a)	3-4
III.K.1.	Storage of Incompatible Wastes	.500 incorporating 40 CFR §264.177(a)	3-4
III.K.2.	Management of Unwashed Containers	.500 incorporating 40 CFR §264.177(b)	3-5
III.K.3.	Separation of Hazardous Waste Containers	.500 incorporating 40 CFR §264.177(c)	3-5

PART 4: CORRECTIVE ACTION

<u>Permit Condition</u>	<u>Subject</u>	<u>Regulation (20.4.1 NMAC)</u>	<u>Page</u>
	Part Highlights	Section 74-4-10.F of HWA and RCRA	4-1
	Corrective Action From Releases	.500 incorporating 40 CFR §264.101, The NM Hazardous Waste Act, and Sections 3004(u) and 3004(v) of RCRA	4-1
IV.A.	Applicability		4-1
IV.B.	Notification and Assessment Requirements for Newly Identified SWMUs and AOCs		4-2
IV.C.	Notification Requirements for Newly Discovered Releases From SWMUs or AOCs		4-3
IV.D.	Confirmatory Sampling (CS)		4-4
IV.E.	RCRA Facility Investigation (RFI)		4-5

IV.E.1.	RFI Work Plan	4-5
IV.E.2.	RFI Implementation	4-6
IV.E.3.	RFI Reports	4-6
IV.F.	Interim Measures (IM)	4-8
IV.F.1.	IM Work Plan	4-8
IV.F.2.	IM Implementation	4-9
IV.F.3.	IM Reports	4-9
IV.G.	Corrective Measures Study (CMS)	4-10
IV.G.1.	CMS Work Plan	4-10
IV.G.2.	Corrective Measures Study Implementation	4-11
IV.G.3.	CMS Report	4-11
IV.H.	Remedy Approval and Permit Modification	4-12
IV.I.	Modification of the Corrective Action Schedule of Compliance	4-13
IV.J.	Work Plan and Report Requirements	4-13
IV.K.	Approvals/Disapproval of Submittals	4-14
IV.L.	Voluntary Corrective Measures	4-14
IV.M.	Dispute Resolution	4-14

PART 4 APPENDICES

APPENDIX 4-A:

SUMMARY OF SOLID WASTE MANAGEMENT UNITS: 4-16

Tables A: SWMUs and AOCs Requiring Corrective Action 4-16

Table B: SWMUs and AOCs Not Requiring Corrective Action 4-18

APPENDIX 4-B: RCRA FACILITY INVESTIGATION (RFI) OUTLINE 4-27

I. RFI Work Plan Requirements - Elements of the RFI Work Plan 4-27

I.A. Introduction - Summary of any relevant existing assessment data 4-27

I.B. Environmental Setting 4-28

I.C. Source Characterization 4-31

I.D. Potential Receptors 4-32

I.E. Sampling and Analysis Plan (SAP) for Characterization of
Releases of Hazardous Waste/Hazardous Constituents 4-34

I.F. Data Management Plan 4-37

I.G. Project Management Plan - Schedule of Implementation 4-38

II RFI REQUIREMENTS - ELEMENTS OF THE RFI REPORT 4-38

II.A. Introduction 4-38

II.B. Environmental Setting 4-38

II.C. Source Characterization 4-38

II.D. Sampling and Analysis Results 4-38

II.E. Data Quality Assurance/Data Quality Control Review 4-39

II.F. Conclusions 4-39

II.G. Recommendations 4-39

II.H.	Work Plan for Additional Investigations	4-39
III.	DETERMINATION OF NO FURTHER ACTION (NFA)	4-39
APPENDIX 4-C: CORRECTIVE MEASURE STUDY OUTLINE		4-42
I.	Corrective Measure Study Work Plan	4-42
I.A.	Elements of the CMS Work Plan	4-42
II.	Corrective Measures Study Report	4-43
II.A.	Introduction/Purpose	4-43
II.B.	Description of Current Situation	4-43
II.C.	Establishment of Proposed Media Specific Cleanup Standards	4-44
II.D.	Identification, Screening, and Development of Corrective Measure Technologies	4-44
II.E.	Evaluation of a Final Corrective Measure Alternative	4-45
II.F.	Justification and Recommendation of the Corrective Measure or Measures	4-48
APPENDIX 4-D		
Schedule of Compliance For Newly Identified SWMUs and AOCs		4-49
APPENDIX 4-E:		
NFA Compliance Schedule For Sites Listed In Table A		4-51
APPENDIX 4-F: Action Levels and Cleanup Levels		4-53
I.	Action Levels Overview	4-53
II.	Cleanup Levels Overview	4-53
III.	Ground Water	4-54
IV.	Surface Water	4-55

V.	Soils	4-55
VI.	Ecological Evaluation	4-56
VII.	Risk-Based Variance from Cleanup Standards or Levels	4-57

PART 5: ORGANIC AIR EMISSION REQUIREMENTS

V.A.	Applicability	5-1
V.B.	General Standards	5-2
V.C.	Subpart CC Standards for Containers in Table V.A.1.	5-2
V.D.	Repair of Levels 1 and 2 (i.e. Types A, B, and C) Containers	5-2
V.E.	Reporting Requirements	5-3
V.F.	Notification of New Units	5-3
V.G.	Compliance Schedule	5-3

PERMIT ATTACHMENTS

<u>Attachment</u>	<u>Description</u>	<u>Page</u>
Attachment A	Authorized Wastes	1-7
Attachment B	General Facility Description	1-5
Attachment C	Container Storage Unit Design and Operation	1-9
Attachment D	Waste Analysis Plan	1-25
Attachment E	Security Plan	1-2
Attachment F	Inspection Plan	1-4
Attachment G	Preparedness and Prevention Procedures	1-5
Attachment H	Contingency Plan	1-8
Attachment I	Manifesting, Recordkeeping and Reporting	1-3

Attachment J	Personnel Training	1-5
Attachment K	Closure Plan	1-10
Attachment L	Corrective Action for Solid Waste Management Units	1

LIST OF ACRONYMS

AK	Acceptable Knowledge
AOC	Area of Concern
AMU	Atomic Mass Unit
ASTM	American Society for Testing and Materials
BGS	Below Ground Surface
CAMU	Corrective Action Management Unit
CEC	Cation Exchange Capacity
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CES	Civil Engineering Squadron
CFR	Code of Federal Regulations
CMS	Corrective Measure Study
COC	Chain of Custody
CSU	Container Storage Unit
DOT	U.S. Department of Transportation
DQO	Data Quality Objectives
DRMO	Defense Reutilization and Marketing Office
EC	Emergency Coordinator
EPA	U.S. Environmental Protection Agency
GC/MS	Gas Chromatography/Mass Spectrometry
HAFB	Holloman Air Force Base
HWA	New Mexico Hazardous Waste Act
HWB	Hazardous Waste Bureau
KOP	Knowledge of Process
LDR	Land Disposal Restrictions
MOU	Memorandum of Understanding
MSDS	Material Safety Data Sheet
MS/MSD	Matrix Spike/Matrix Spike Duplicate
NFA	No Further Action
NMAC	New Mexico Administrative Code
NMED	New Mexico Environment Department
PARCC	Precision, Accuracy, Representativeness, Completeness, and Comparability
PCBs	Polychlorinated Biphenyls
PID	Photo-ionization Detector
PPE	Personal Protective Equipment
QA/QC	Quality Assurance/Quality Control
QAPP	Quality Assurance Project Plans
RCRA	Resource Conservation and Recovery Act
RFA	RCRA Facility Assessment

LIST OF ACRONYMS (Continued)

RFI	RCRA Facility Investigation
SAP	Sampling and Analysis Plan
SAR	SWMU Assessment Report
SCBA	Self Contained Breathing Apparatus
SOP	Standard Operating Procedures
SVOCs	Semivolatile Organic Compounds
SWMU	Solid Waste Management Unit
TSCA	Toxic Substances Control Act
TSDF	Treatment, Storage and Disposal Facility
VOCs	Volatile Organic Compounds
WAP	Waste Analysis Plan
WQCC	New Mexico Water Quality Control Commission