

APPENDIX A

CALRECYCLE / SWRCB / U.S. EPA - JTD CROSS REFERENCE INDICES

CALRECYCLE JTD INDEX

Joint Technical Document Index

CIWMB Requirements

CIWMB JTD Requirements	CIWMB Section No.	SWRCB Section No.	JTD Section(s)
General			
Name of Facility, Site Operator and Owner	21600(b)(1)(A)		2.2
Description of the Operation Cycle	21600(b)(1)(A)		2.2
Site Plan Including Boundaries, Acreage, and Buffer Zones	21600(b)(1)(B)		2.3
Hours of Operation	21600(b)(1)(C)		2.5
Waste Classification and Management			
Types and Quantities of Waste	21600(b)(2)(A)	21740(a)(1)	4.2
Waste Management Unit Classification and Siting			
Airport Safety	21600(b)(3)(A)		3.9
Volumetric Capacity	21600(b)(3)(B)		4.5
Site Life Estimate	21600(b)(3)(C)		4.5
Site Location (vicinity map)	21600(b)(3)(D)		2.1
Surrounding Land Use and Zoning (plot plan)	21600(b)(3)(E)	21750(h)4	3.8
Ancillary Facilities (include on plot plan)	21600(b)(3)(F)		2.7, 5.14
Design and Construction Standards for All Waste Management Units			
Design Responsibility <i>{Describe how the site design provides for the surrounding physical setting}</i>	21600(b)(4)(A)	21750(a-h)	5.0, 8.0
Design Responsibility <i>{New disposal sites shall be designed under a civil engineer}</i>	21600(b)(4)(B)		5.0
Construction Sequencing Plans	21600(b)(4)(C)		5.3
Grading Plan <i>{Include existing and proposed final contours for disposal area and borrow area}</i>	21600(b)(4)(D)	21090(b)-(b)(3)	5.3
Gas Management Plan <i>{Demonstrate the ability to comply with T27 20919, 20919.5 and gas control for closure plans}</i>	21600(b)(4)(E)		5.13, 8.2
Operating Criteria {Demonstrate the ability to comply with the following:}			
Disposal Site Records	21600(b)(5)(A)		7.5
Site Security	21600(b)(5)(B)		2.6, 7.6
Sanitary Facilities	21600(b)(5)(C)		7.4.1
Communications Systems	21600(b)(5)(D)		7.4.3

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CIWMB JTD Requirements cont'd	CIWMB Section No.	SWRCB Section No.	JTD Section(s)
Operating Criteria, cont'd. {Demonstrate the ability to comply with the following:}			
Lighting {for facilities which operate during darkness}	21600(b)(5)(E)		7.4.4
Safety Equipment	21600(b)(5)(F)		7.4.5
Personnel Requirements	21600(b)(5)(G)		7.1
Personnel Training	21600(b)(5)(H)		7.1.2
Supervisory Structure	21600(b)(5)(I)		7.1.3
Spreading and Compacting	21600(b)(5)(J)		7.3
Cover			
Cover Materials	21600(b)(6)(A)		7.3.6-7.3.8
Cover Frequency	21600(b)(6)(B)		7.3.6
Intermediate Cover	21600(b)(6)(C)		7.3.7
Handling			
Public Health Design Parameters	21600(b)(7)(A)		5.0, 7.3
Salvaging Activities	21600(b)(7)(B)		7.3.9
Volume Reduction Activities	21600(b)(7)(C)		N/A
Equipment	21600(b)(7)(D)		7.2
Special Waste Handling	21600(b)(7)(E)	21740(a)(1)	7.3.5, 8.12
Environmental Controls			
Nuisance	21600(b)(8)(A)		8.6
Fire Control	21600(b)(8)(B)		8.4
Leachate Control (for purposes of public health)	21600(b)(8)(C)		8.1
Dust Control	21600(b)(8)(D)	21090(a)(5)(B)	8.5
Vector Control	21600(b)(8)(E)	20425(d)(3)	8.7
Drainage & Erosion Control	21600(b)(8)(F)	21090(c)(4)	5.11, 8.3
Litter Control	21600(b)(8)(G)		8.8
Noise Control	21600(b)(8)(H)		8.9
Traffic Control (within the facility)	21600(b)(8)(I)		8.11
Hazardous Waste/Loadchecking	21600(b)(8)(J)		8.12

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CIWMB JTD Requirements cont'd	CIWMB Section No.	SWRCB Section No.	JTD Section(s)
APPROVALS			
Compilation of Approvals	21600(b)(9)		10.0

CIWMB - Requirements for JTD/RDSI amendments and/or complete application package [21600(a)]	CIWMB Section No.	SWRCB Section No.	JTD Section(s)
CEQA Information	21570(f)(3)(4)		11.1
Conformance Finding Information	21570(f)(5)		11.3
Complete Closure/Postclosure Maintenance Plan	21570(f)(6)		11.2
Financial Assurances Operating Liability Information	21570(f)(7 and 8)		11.4
Land Use and/or Conditional Use Permits	21570(f)(9)		11.5

CIWMB - Closure/Postclosure Maintenance Plan Requirements if part of JTD - PRELIMINARY Closure Plans	CIWMB Section No.	SWRCB Section No.	JTD Section(s)
Closure Cost Estimate	21790(b)(1)	20950(f)	9.6
Location Maps	21790(b)(2 & 4)		9.1.2.2
Post-Closure Land Uses	21790(b)(5)		9.3
Estimate of Required Closure	21790(b)(6)		9.1.6
Estimated Closure Date	21790(b)(7)		9.1.5
Closure Activities	21790(b)(8)	21090(d)	9.1
Site Security and Structure Removal	21790(b)(8)(A)		9.1.2
Final Cover and Grading	21790(b)(8)(B)	21090(a)-(a)(2), (a)(6), (b)-(b)(3), 21750(f)(5)	9.1.2.3
Construction Quality Assurance	21790(b)(8)(C)		9.1.4
Drainage and Erosion Control	21790(b)(8)(D)	21090(a)(3)-(a)(3)(B)	5.11, 9.1.2
Gas Monitoring	21790(b)(8)(E)	20425(d)(3)	9.1.2.10
Leachate Monitoring	21790(b)(8)(F)	21090(c)(2)	9.1.2.10

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**CIWMB – Closure/Postclosure Maintenance Plan
Requirements if part of JTD –
FINAL Closure Plans**

	CIWMB Section No.	SWRCB Section No.	JTD Section(s)
Items Under 21790 (Preliminary Plans)	21800(c)	20425(d)(3), 20950(f), 20909(a)-(a)(3) (A)(3), 21090	N/A
Sequence of Closure Stages With Dates	21800(c)	21090(a)-(a)(2), (d)	N/A
Schedule for Disbursement	21800(d)		N/A

**CIWMB - Closure/Postclosure Maintenance Plan
Requirements if part of JTD -
PRELIMINARY Postclosure Maintenance Plans**

	CIWMB Section No.	SWRCB Section No.	JTD Section(s)
Description of Planned Uses per 21190	21825(b)(1)	21769(b)	9.2.1
Description of Maintenance per 21180	21825(b)(2)	21769(b)	9.2.3-9.2.5

**CIWMB - Closure/Postclosure Maintenance Plan
Requirements if part of JTD -
FINAL Postclosure Maintenance Plans**

	CIWMB Section No.	SWRCB Section No.	JTD Page(s)
Emergency Response Plans per 21130	21830(b)(1)	21769(c)	N/A
List of Responsible Parties	21830(b)(2)	21769(c)	N/A
Post-Closure Planned Uses per 21190	21830(b)(3)	21769(c)	N/A
As-builts for Monitoring and Control Systems, etc.	21830(b)(4)	21769(c)	N/A
Description of Maintenance per 21180	21830(b)(5)	21769(c)	N/A
Operations and Maintenance plan for Gas Control System	21830(b)(6)	21769(c)	N/A
Plan to Report Results of Monit./Control per 21180	21830(b)(7)	21769(c)	N/A
Postclosure Mtce. Cost Estimates per 21840	21830(b)(8)	21769(c)	N/A

NOTE: For submitting amendments of Closure and Postclosure Maintenance Plans as part of a JTD, use Section 21780 and include the requirements of Section 21865 (b)(1)-(4).

SWRCB JTD INDEX

SWRCB JTD Index

SWRCB Requirement	SWRCB Citation	Related CIWMB Citation	JTD Section(s) Fulfilling SWRCB Citation
Chapter 1. General			
Article 1. Purpose, Scope and Applicability of this Subdivision			
§20080. General Requirements. [engineered alternatives to prescriptive standards]	20080(b-c)		If proposed: 5.6, 5.7, 5.10
Chapter 3. Criteria for All Waste Management Units, Facilities, and Disposal Sites **			
Subchapter 2. Siting and Design **			
Article 2. SWRCB - Waste Classification and Management **			
§20200. SWRCB - Applicability and Classification Criteria.			
Concept (& describes possible exemption)	20200(a)		if proposed: 4.2
Demonstration proposing to allow discharge of a particular waste to a particular landfill of lower classification	20200(a)(1)		if proposed: N/A
Dedicated units/cells for certain wastes	20200(b)-(b)(2)(C)		if proposed: N/A
Waste characterization	20200(c)		4.2.1
Management of liquids	20200(d)-(d)(3)		5.9, 5.13, 8.5
§20220. Nonhazardous Solid Waste.			
Demonstration by discharger	20220(b)-(b)(2)		8.12
Dewatered sludge (describes conditions for discharge)	20220(c)-(c)(3)		If sludge: 4.2
Ash (allows discharge of non-hazardous ash to Class III landfills w/o determining of ash is designated waste)	20220(d)		If ash: N/A
Article 3. Waste Management Unit, Facility, or Disposal Site Classification and Siting **			
§20240. Classification and Siting Criteria.	20240		3.0, 5.5, 5.6
§20250. Class II: Waste Management Units for Designated Waste.	20250		If Class II: N/A
§20260. Class III: Landfills for Nonhazardous Solid Waste.	20260		If Class III: 3.2, 3.4, 3.5
Article 4. SWRCB - Waste Management Unit Construction Standards **			
§20310. General Construction Criteria.	20310		5.0
§20320. General Criteria for Containment Structures.	20320		5.7, 5.9
§20323 & §20324. CQA Plan & Requirements	20323 & 20324		5.15
§20330. Liners.	20330		5.7

SWRCB Requirement	SWRCB Citation	Related CIWMB Citation	JTD Section(s) Fulfilling SWRCB Citation
§20340. Leachate Collection and Removal Systems (LCRS).	20340		5 . 9
§20360. Subsurface Barriers.	20360		If proposed: N / A
§20365. Precipitation and Drainage Controls.	20365		5 . 1.1
§20370. Seismic Design.	20370		5 . 5
§20375. Special Requirements for Surface Impoundments.	20375		If LF facility has SI: 5 . 2
Subchapter 3. Water Monitoring ** Article 1. SWRCB - Water Quality Monitoring and Response Programs for Solid Waste Management Units ** §20380. SWRCB - Applicability.			
Corrective action financial assurance	20380(b)		6 . 1 . 4
Duration of applicability	20380(c)-(c)(2)	21900	9 . 2 . 1
Limitations on engineered alternatives	20380(e)-(e)(3)		5 . 6 , 5 . 7 , 6 . 1 . 5
§20385. Required Programs.	20385		6 . 1
§20390. Water Quality Protection Standard (Water Standard).	20390		6 . 1 . 1
§20395. Constituents of Concern (COCs).			
COCs	20395(a)		6 . 1 . 2 , 6 . 1 . 5
MSW COCs	20395(b)		6 . 1 . 1 , 6 . 1 . 5
§20400. Concentration Limits.			
Proposing COCs	20400(a)-(a)(3)		6 . 1 . 5
Adoption of concentration limits	20400(b)-(b)(3)		6 . 1 . 5
Establishing a CLGB (for corrective action only)	20400(c-h)		6 . 1 . 5
Decreasing a CLGB (in DMP following a CAP)	20400(i)		6 . 1 . 5
§20405. Monitoring Points and the Point of Compliance.	20405(a-b)		6 . 1 . 5
§20410. Compliance Period.	20410(a-c)		6 . 1 . 5
§20415. General Water Quality Monitoring and System Requirements.			
Section applies to all monitoring programs	20415(a)		6 . 1
G.W. Mon. System (general)	20415(b)-(b)(4)(D)		6 . 1 . 2 , 6 . 1 . 5
Sfc. Water Mon. (general)	20415(c)-(c)(2)(D)		If any: 6 . 1 . 2 , 6 . 1 . 5
U.Z. Mon. (general)	20415(d)-(d)(4)		If any: 6 . 1 . 2 . 4
Mon. systems designed by RG or RCE	20415(e)(1)		6 . 1 . 5
	20415(e)(2)-		6 . 1 . 5

SWRCB Requirement	SWRCB Citation	Related CIWMB Citation	JTD Section(s) Fulfilling SWRCB Citation
Logging of borings	(e)(2)(C)		6.1.5
Shared monitoring system demonstration for contiguous Units	20415(e)(3)		If contig. Units: 6.1.1, 6.1.5
Monitoring sample QA/QC	20415(e)(4)-(e)(4)(D)		6.1.5
Sampling & analytical methods (perf. std. for)	20415(e)(5)		6.1.5
Monitoring data procurement, analysis, and submittal	20415(e)(6)-(c)(15)		6.1.5
§20420. Detection Monitoring Program.	20420		6.1.1, 6.1.5
§20425. SWRCB - Evaluation Monitoring Program.	20425	re &(d)(3): 20919 et seq., 21600(b)(8)(E), 21790(b)(8)(E), 21800(c)	If newly-found release: N/A
§20430. Corrective Action Program.	20430		If treating a release: 6.1.1, 6.1.3
Subchapter 4. Criteria for Landfills and Disposal Sites Article 2. CIWMB - Daily and Intermediate Cover			
§20705. Standards for Daily and Intermediate (Interim) Cover.	20705		7.3.6, 7.3.7
Subchapter 5. Closure and Post-Closure Maintenance ** Article 1. General Standards For All Waste Management Units **			
§20950. General Closure and Post-Closure Maintenance Standards Applicable to Waste Management Units (Units) for Solid Waste.	20950	re &(f): 21780(a)(3), 21790(b)(1), 21800(c), 21820, 21840	9.0
Article 2. Closure and Post-Closure Maintenance Standards for Disposal Sites and Landfills §21090. Closure and Post-Closure Maintenance Requirements for Solid Waste Landfills.			
Final cover requirements (general)	21090(a)-(a)(2)	21140, 21790(b)(8)(B), 21800(c)	9.1.2.4
Erosion control layer	21090(a)(3)-(a)(3)(A)3.	21140, 21150, 21790(b)(8)(D), 21800(c)	9.1.2.4
Maintenance (& plan for)	21090(a)(4)-(a)(4)(D)		9.2
Discharges of liquids to covers (leachate & condensate)	21090(a)(5)(A)		N/A (no discharge to cover)
Discharges of liquids to covers (other liquids)	21090(a)(5)(B)	20800, 21600(b)(8)(D)	9.2.5.3
Stability analysis	21090(a)(6)	21145,	5.5, 9.1.2.6

SWRCB Requirement	SWRCB Citation	Related CIWMB Citation	JTD Section(s) Fulfilling SWRCB Citation
		21790(b)(8)(B)	
Grading requirements (performance standards)	21090(b)-(b)(3)	20650, 21142(a), 21150, 21600(b)(4)(D), 21790(b)(8)(B)	5 . 3 . 2 , 9 . 1 . 2 . 8
General post-closure duties	21090(c)-(c)(5)	re (c)(2): 21150, 21160, 21180, 21790(b)(8)(F) // re (c)(4): 21600(b)(8)(F)	9 . 2
Landfill closure deadline & extension	21090(d)	21110, 21790(b)(8), 21800(c)	N / A
Final cover survey(s)	21090(e)-(e)(4)	21142(b)	9 . 2 . 6
Optional clean closure	21090(f)-(f)(2)	21810	N / A
§21132. Landfill Emergency Response Plan Review.	§21132		9 . 4
§21400. Closure Requirements for Surface Impoundments.	§21400		If LF facility has SI: N / A
§21410. SWRCB - Closure Requirements for Waste Piles.	§21410		If LF facility has WP: N / A
Chapter 4. Documentation and Reporting For Regulatory Tiers, Permits, WDRs, and Plans Subchapter 3. Development of Waste Discharge Requirements (WDRs) and Solid Waste Facility Permits Article 2. CIWMB - Applicant Requirements.			
§21585. SWRCB - Joint Technical Document (JTD). [format for submittal of §21710, §21750, §21760 information]	21585		
Article 4. SWRCB - Development of Waste Discharge Requirements (WDRs) **			
§21710. SWRCB - Report Of Waste Discharge (ROWD) and Other Reporting Requirements. [see also §21585]	21710	re &(c)(1-2): 21145(b), 21200, 21630	2 . 2 , 7 . 5
§21720. SWRCB - Waste Discharge Requirements (WDRs).	21720(d-f)	re &(f): 20510, 20515	7 . 6
§21730. SWRCB - Public Participation. [proposed listing of potentially interested parties]	21730(a)		1 . 3 . 2
§21740. SWRCB - Waste Characteristics.	21740	re & (a)(1): 21600(b)(2)(A) & (b)(7)(E)	4 . 2 , 4 . 6
§21750. SWRCB - Waste Management Unit (Unit) Characteristics and Attributes to be Described in the ROWD.			
		21600(b)(4)(A)	5 . 0

SWRCB Requirement	SWRCB Citation	Related CIWMB Citation	JTD Section(s) Fulfilling SWRCB Citation
Analysis of potential for impairment	21750(a)		4.6.2, 6.0, 5.0
Support for proposed Unit classification	21750(b)	21600(b)(4)(A)	4.0
Listing & incorporation of supporting documents	21750(c)	21600(b)(4)(A)	Appendices
Topographic map	21750(d)(1)	21600(b)(4)(A)	2.3, 3.1
Floodplain analysis	21750(d)(2)-(d)(2)(C)2.	21600(b)(4)(A)	3.2
Climate	21750(e)-(e)(6)	21600(b)(4)(A)	3.3
Geology	21750(f)-(f)(7)	21600(b)(4)(A) // re (f)(5): 21145, 21790(b)(8)(B)	3.4, 3.5
Hydrogeology	21750(g)-(g)(7)(D)	21600(b)(4)(A)	3.6, 3.7
Land/Water Use	21750(h)-(h)(5)	21600(b)(4)(A) re ¶(h)(4): 21600(b)(3)(E)	3.8
Preliminary closure plan	21750(i)		9.0
§21760. SWRCB - Design Report and Operations Plan.			
Design Report X preliminary and as-built plans	21760(a)(1)		5.0, 5.15
Design Report	21760(a)(3)-(a)(4)		5.0, 6.0
Operation Plan	21760(b)-(b)(3)		6.0, 7.0
Subchapter 4. Development of Closure/Post-Closure Maintenance Plans §21769. SWRCB - Closure and Post-Closure Maintenance Plan Requirements.			
Prelim. CI/P-CI Plan X purpose	21769(b)(1)		9.0
Prelim. CI/P-CI Plan Contents X cost analysis	21769(b)(2)-(b)(2)(B)5.		9.6
Final CI/P-CI Plan	21769(c)-(c)(2)(H)3.		N/A
Chapter 5. Enforcement Article 4. Enforcement by Regional Water Quality Control Board (RWQCB) **			
§22190. SWRCB - Mandatory Closure (Cease and Desist Orders).	22190(b)		If early closure mandated:
Chapter 6. Financial Assurances at Solid Waste Facilities and at Waste Management Units for Solid Waste Subchapter 2. Financial Assurance Requirements Article 1. Financial Assurance for Closure			
§22207. SWRCB - Closure Funding Requirements.	22207(a)		9.6

SWRCB Requirement	SWRCB Citation	Related CIWMB Citation	JTD Section(s) Fulfilling SWRCB Citation
Article 2. Financial Assurance for Postclosure Maintenance			
§22212. SWRCB - Post-Closure Funding Requirements.	22212(a)		9 . 6
Article 4. Financial Assurance Requirements for Corrective Action			
§22222. SWRCB - Corrective Action Funding Requirements.	22222		6 . 1 . 4

40 CFR PART 258 REGULATIONS

40 CFR Part 258 Regulations

40 CFR Part 258 Requirements

40 CFR 258 Citation

JTD Section(s)

Subpart B – Location Restrictions

Airport Safety	258.10	3.9
Floodplains	258.11	3.2.1
Wetlands	258.12	3.2.2
Fault Areas	258.13	3.5
Seismic Impact Zones	258.14	3.5, 5.5
Unstable Areas	258.15	3.5.2, 3.5.3, 5.5
Closure of Existing MSW Landfill Units	258.16	N/A

Subpart C – Operating Criteria

Procedures for Excluding Receipt of Hazardous Waste	258.20	8.1.2
Cover Material Requirements	258.21	7.3.6
Disease Vector Control	258.22	7.3.6, 8.7
Explosive Gases Control	258.23	5.13, 8.2
Air Criteria	258.24	1.3.2, 10.0
Access Requirements	258.25	2.6
Run-on/Run-off Control Systems	258.26	5.11
Surface Water Requirements	258.27	5.11, 6.1.2, 6.1.5
Liquids Restrictions	258.28	N/A
Recordkeeping Requirements	258.29	7.5

Subpart D – Design Criteria

Design Criteria – New MSWLF Units and Expansions	258.40	5.0
Design for Aquifer Protection	258.40(a)(1)	5.2, 5.6, 5.7, 5.8, 5.9, 5.10, 6.15
Composite Liner LCRS 30-cm Leachate Depth	258.40 (2)	5.9
Composite Liner Prescriptive Standard	258.40 (2)(b)	N/A
Bioreactor Landfill Projects	258.41	N/A

40 CFR Part 258 Regulations

40 CFR Part 258 Requirements

40 CFR 258 Citation

JTD Section(s)

Subpart F – Closure and Post-Closure Care

Closure Criteria	258.60	9.1
Final Cover System	258.60(a)(1)	9.1.2.4
Written Closure Plan	258.60(c)	9.1
Closure Schedule	258.60(c)(4)	9.1.5
Post-Closure Care Requirements	258.61	9.2
Final Cover Maintenance	258.61(a)(1)	9.2.4, 9.2.5
Leachate System Maintenance	258.61(a)(2)	9.2.5.6, 9.2.5.7
Ground Water Monitoring	258.61(a)(3)	6.1.2, 6.1.5, 9.2.5.8
Landfill Gas System Maintenance	258.61(a)(4)	9.2.5.9
Written Post-Closure Maintenance Plan	258.61(c)	9.1
Description of Post-Closure End Uses	258.61(c)(3)	9.3