

Technical Plan Review Primer

Will Heung, PE

Closure and Technical Support Section

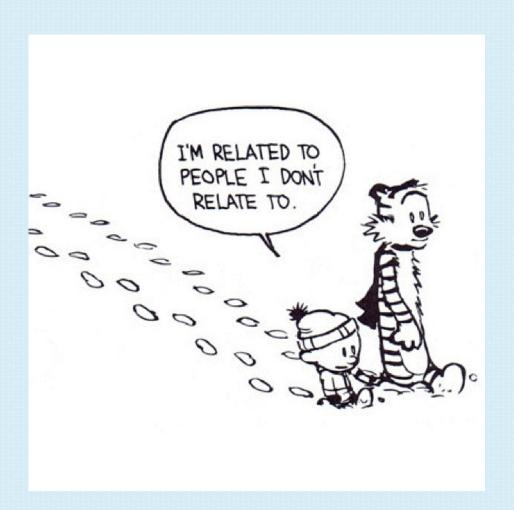
Engineering Support Branch

Waste Permitting, Compliance, and Mitigation Division

CalRecycle

Introduction

- Purpose
- Plan Types
- Examples
- Questions



Purpose

• To provide regulatory agencies, operators, and consultants with practical, efficient, and effective procedures for submittal, review, and approval of technical documents.

Typical Reviewed Plans

- Preliminary Closure and Postclosure Maintenance Plans
- Final Closure and Postclosure Maintenance Plans
- Partial Closure and Postclosure Maintenance Plans
- Partial Final Closure and Postclosure Maintenance Plans
- Postclosure Maintenance Plans (After Closure)
- Clean Closure Plans
- Non-Water Release Corrective Action Estimates and Plans
- Certification of Closure (Construction Quality Assurance Reports)

Non-Typical Reviewed Plans

- Postclosure Land Use Proposals
- Landfill Gas Monitoring Programs
- Landfill Gas Remediation Plans
- Water Release Corrective Action Estimates and Plans

Scenario 1 - What not to do!

- ABC Landfill (closed) performs site walk with Regional Water Board (RWB) staff who point out a postclosure maintenance issue.
- ABC Landfill decides to revise their Postclosure Maintenance Plan (Plan) based on this comment.
 Submits a plan to the RWB only for approval. The Plan has a new postclosure land use (i.e., equipment storage).
- RWB approves without notifying other agencies.
- One year later during inspection, LEA cites violation for storage of equipment on site.
- Operator is understandably confused.



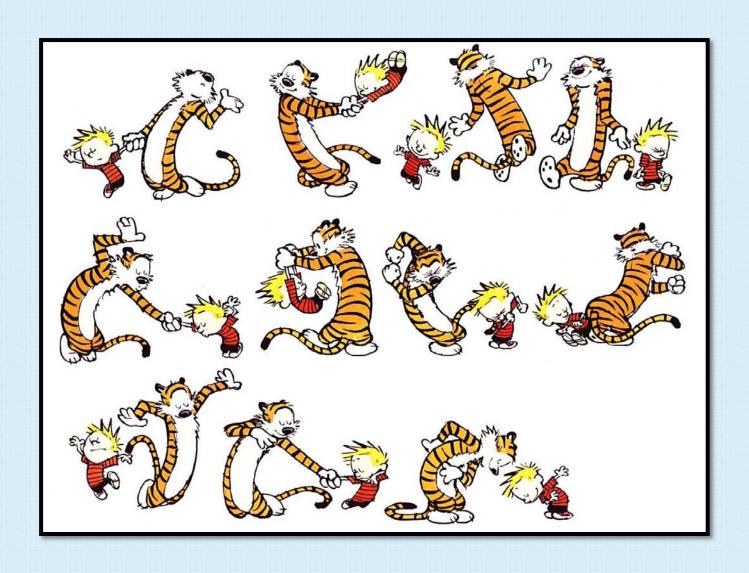
Scenario 2 - What should happen!

- ABC Landfill (closed) performs site walk with Regional Water Board (RWB) staff who point out a postclosure maintenance issue.
- ABC Landfill decides to revise their Postclosure Maintenance Plan (Plan) based on this comment. Submits a plan to LEA, CalRecycle and RWB for approval.
- RWB reviews and approves the Plan. Sends approval letter to Operator and cc's CalRecycle and LEA.
- LEA has comments, sends review comments to CalRecycle and Operator.
- CalRecycle reviews Plan and determines it is technically adequate.

Scenario 2 - What should happen (continued)!

- Operator resubmits plan to address LEA comments (within 60 days).
- LEA reviews and approves the Plan. Sends approval letter to Operator and cc's CalRecycle and RWB.
- CalRecycle confirms no change in previous RWB approval.
- CalRecycle sends letter to ABC Landfill (cc's LEA and RWB) which cites approval of other agencies.
- Plan is deemed approved.

Scenario 2 - What should happen (continued)!



Questions?

Will Heung, PE
Waste Management Engineer
Closure and Technical Support Section
Engineering Support Branch
Waste Permitting, Compliance, and
Mitigation Division
CalRecycle
(916) 341-6073
William.Heung@calrecycle.ca.gov

