

Office of Shellfish & Water Protection  
Wastewater Management Program

**PUBLIC HEALTH**  
ALWAYS WORKING FOR A SAFER AND  
**HEALTHIER WASHINGTON**

**LOSS Rule Advisory Committee Meeting**  
**LOSS Operating Permits**  
**April 24, 2008**



# Agenda

- Approval process
- Current operating permit requirements
- LOSS operating permits
- Future requirements

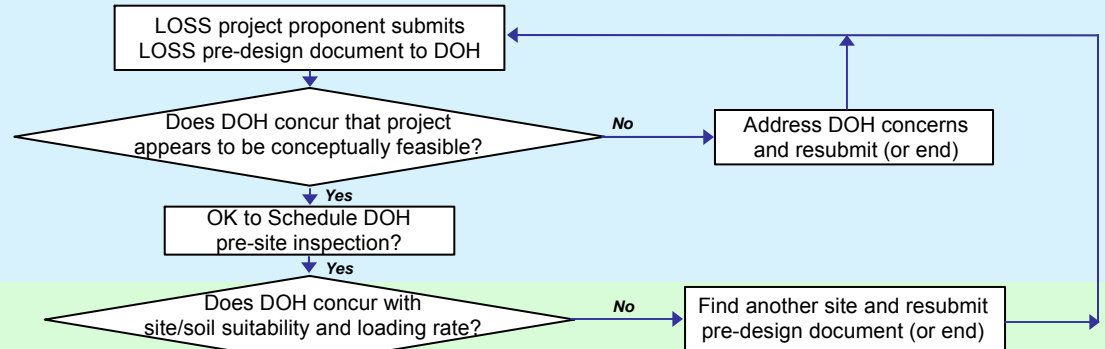
# Approval Process



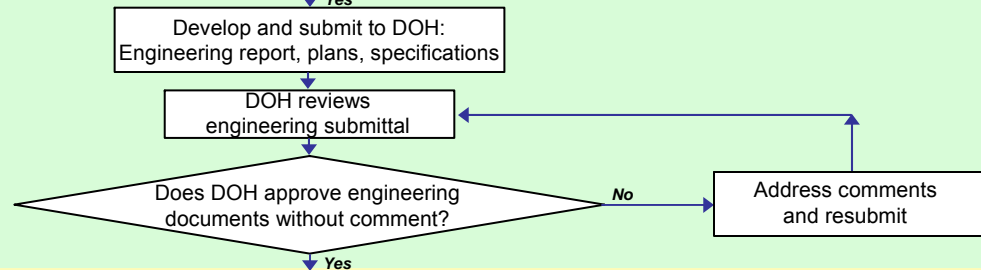
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# Approval Process

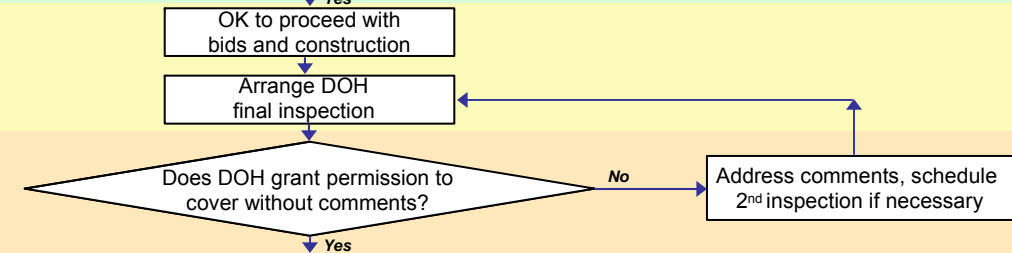
## Pre-Design Phase



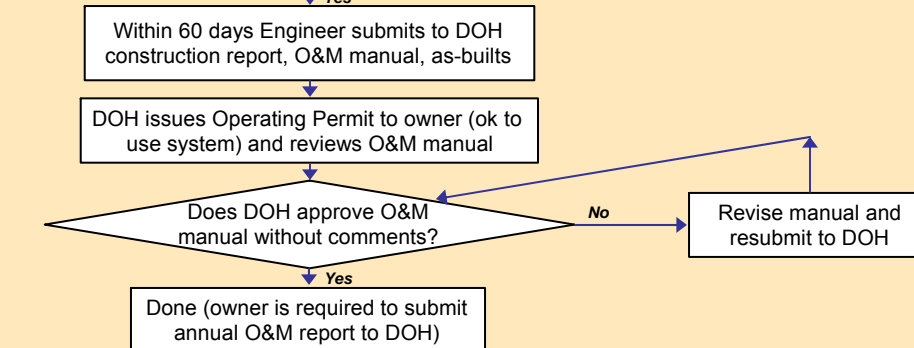
## Site Evaluation & Design Approval Phase



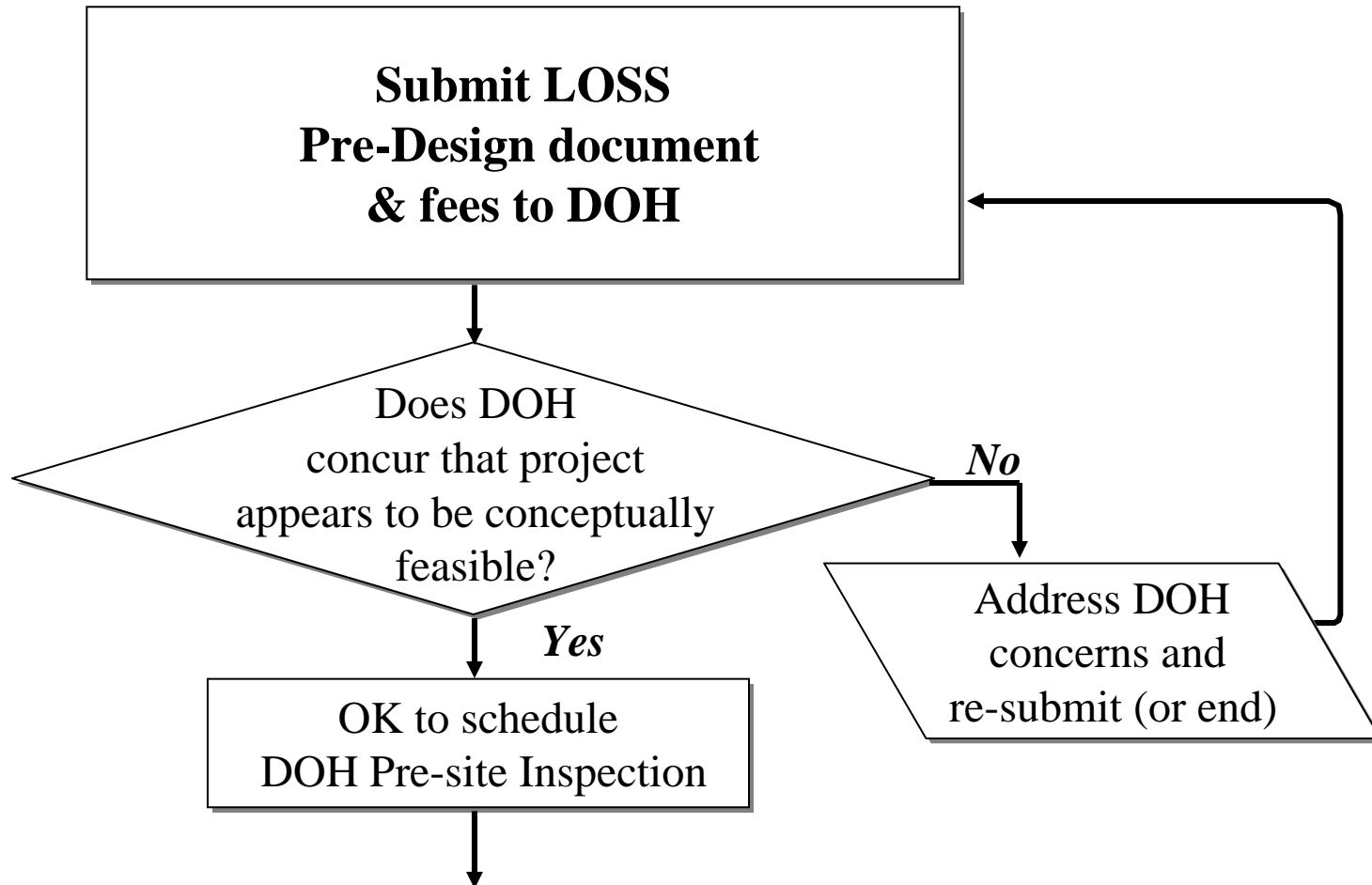
## Construction Phase



## Post-Construction Phase

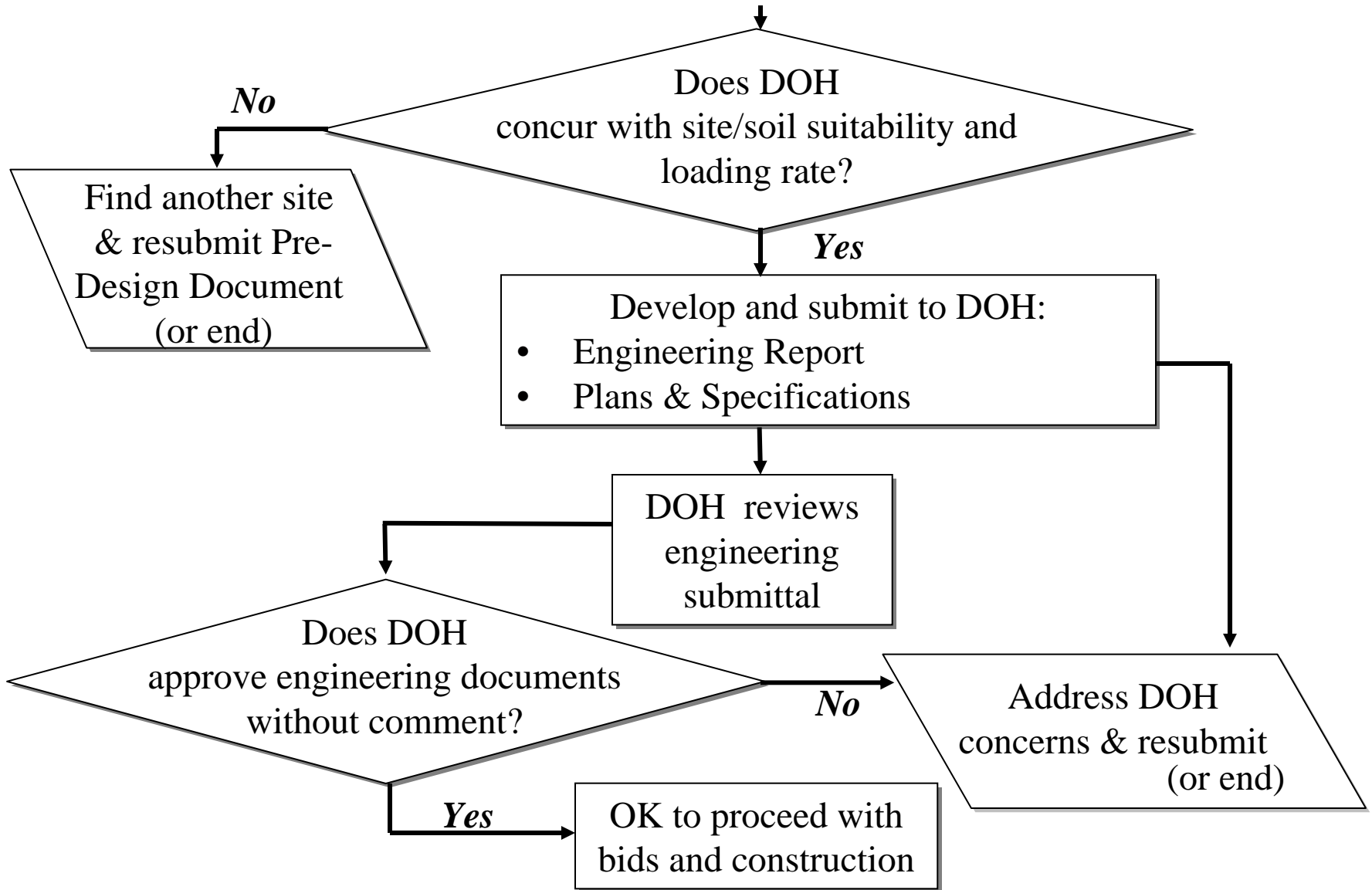


# Pre-Design / Pre-Construction Phase



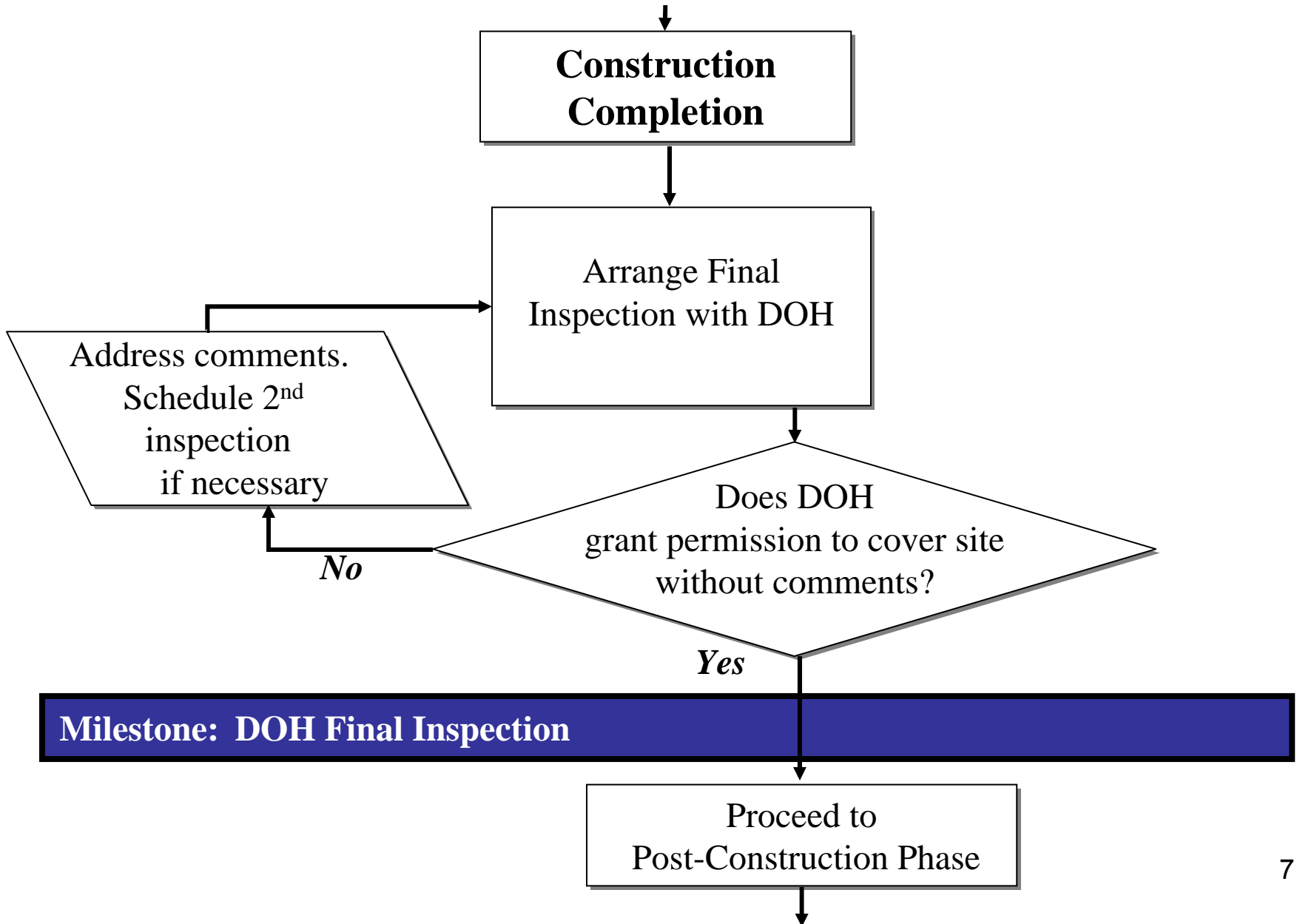
**Milestone: DOH Pre-site Inspection**

# Site Evaluation / Design Approval Phase

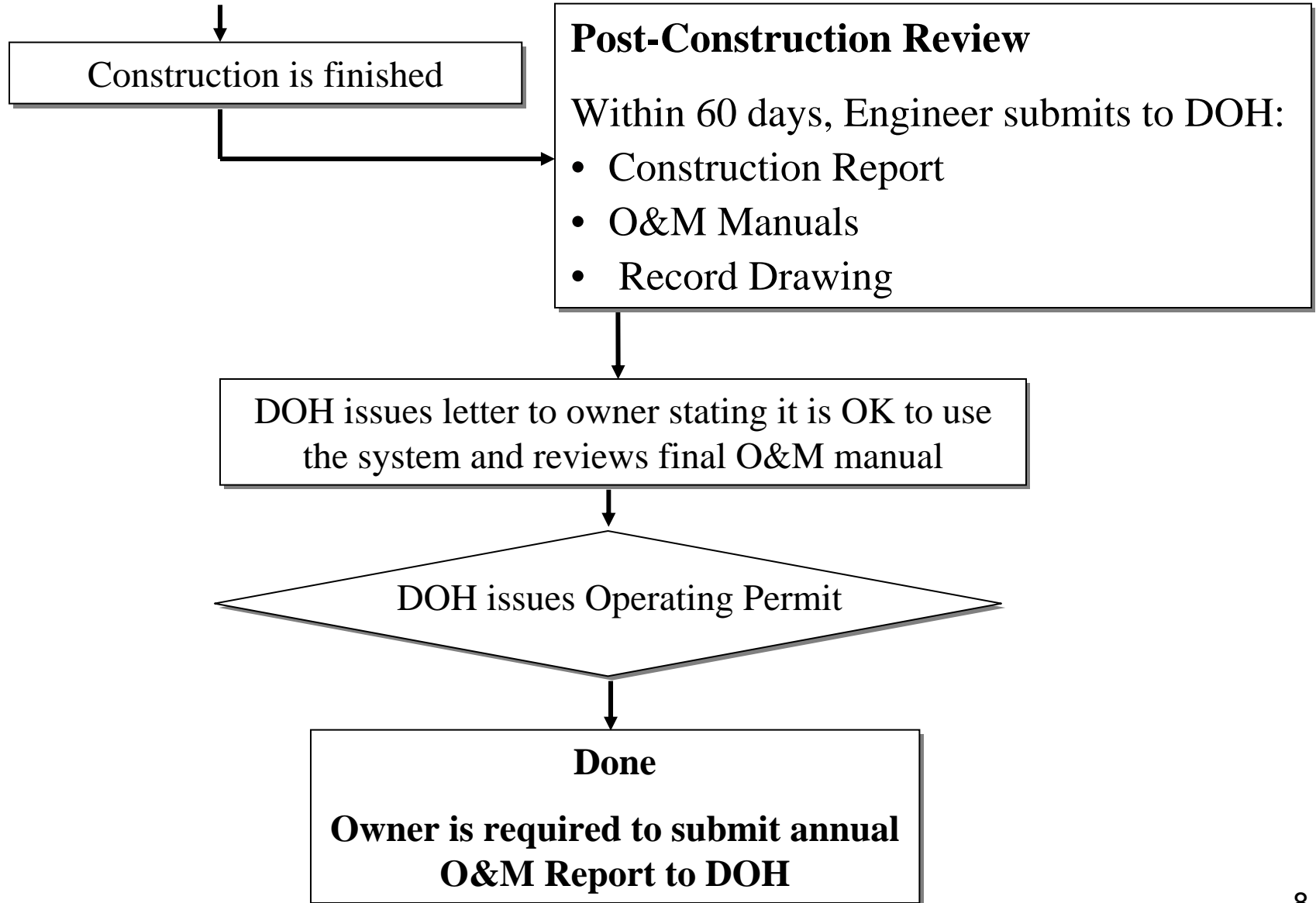


**Milestone: DOH Design Approval**

# Construction Phase



# Post-Construction Phase





# Current Requirements

- The owner of a LOSS approved or constructed after July 1, 1984 shall:
  - Obtain a LOSS operating permit
  - Annually renew it by:
    - Retention of management entity
    - Submit annual report & fees

# Current Requirements

- The department:
  - Shall issue permit for LOSS
  - Shall annually renew permit
  - May revoke the permit when the:
    - Approved management ceases
    - Owner does not meet other conditions
    - LOSS fails



# Current Requirements

- The department:
  - Shall monitor the performance of LOSS
  - Shall apply the repair requirements to failing LOSS



# LOSS Operating Permits

- Access data base
- Over 850 records
- Currently have over 300 permitted systems with total design flow over 2.2 MGD
- Issue an annual permit quarterly



## LOSS Operating Permits

- 267 records in Puget Sound; 89 permitted with total design flow 750,000 GPD
- 45 permitted systems in Hanford with total design flow over 200,000 GPD
- 20 permitted State Parks LOSS with total design flow of 150,000 GPD



## LOSS Operating Permits

- Fees for initial permits and renewal (RCW's 43.70.110 and 43.70.250)
- Unconditional permits: \$150.00 plus \$0.01 for each gallon of approved design flow
- Conditional permits: \$150.00 plus \$0.02 for each gallon of approved design flow
- Started charging fees in 2007 (\$60k/year)



# LOSS Operating Permits

- Conditional permit:
  - Construction report
  - As-builts
  - O&M Manual
  - Annual report
  - Others



## Future Requirements?

- RCW 70.118B.030
- Owner to obtain a LOSS permit to install or operate a LOSS after July 1, 2009
- DOH shall ensure the LOSS meets all applicable requirements prior to issuing initial permit
- DOH may review performance of LOSS prior to issuing renewal



## Future Requirements?

- DOH shall impose permit conditions, requirements for system improvements, and compliance schedule to ensure system performance
- One year term and annually renewed
- DOH may deny, modify, suspend or revoke a permit (RCW 43.40.115)
- For LOSS > 14,500 GPD DOH shall adopt rules to ensure adequate public notice for review and comment



## Future Requirements?

- For LOSS > 14,500 GPD adjudicative proceeding (RCW 34.05)
- LOSS permits issues by Ecology under 90.48 RCW are valid until first expire after July 22, 2007
- Systems required to meet operator certification under 70.95B RCW must continue to meet those requirements

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