



WELCOME

**LOS ANGELES UNIFIED SCHOOL DISTRICT
PRODUCT EVALUATION PROCESS**

October 18, 2011





Product Evaluation Process

**Mohammad Kashani Jou,
AIA, LEED AP**

LAUSD Asset Management
Design Standards Section



CONTENTS

- n INTRODUCTION - FACTS AND FIGURES
- n PRODUCTS EVALAUTION STANDING COMMITTEE
- n COMMITTEE CONSIDERATIONS
- n FSD PRODUCT EVALUATION PROCESS
- n SUBMITTAL PROCESS
- n REQUEST FOR PRODUCT EVALAUTION FORM
- n INFORMATION REQUIRED FOR EVALUATION
- n CONSIDERATIONS FOR LAUSD
- n SUSTAINABILITY
- n PROCESS TIME LINE



PRODUCT EVALUATION STANDING COMMITTEE COMPOSITION

REPRESENTATIVES FROM:

- n Design Standard and Technical Specifications Section
- n Maintenance & Operations (M & O) trades technical supervisors
- n Office of Environmental Health and Safety (OEHS) if there are chemicals involved, or if there are safety concerns
- n Sustainability Group
- n Energy Unit
- n A & E Tech. unit for some products and systems



COMMITTEE CONSIDERATIONS

- § Is the product appropriate for school environments?
- § Materials shall be sustainable, durable, aesthetically pleasing, and require minimal cleaning and maintenance.
- § These materials shall be readily available from manufacturers in the United States.
- § Vandal-resistant and graffiti-resistant materials and finishes are major considerations.
- § All products shall comply with Federal, State and Local regulations.



FSD Product Evaluation Process

- n New products evaluation
- n District's standards: Request review of new products that could potentially be used in LAUSD's construction projects. Submit directly to standards section.
- n Project specific: NOT to be used for Substitution Request or Requests for Information. Submit through project team.

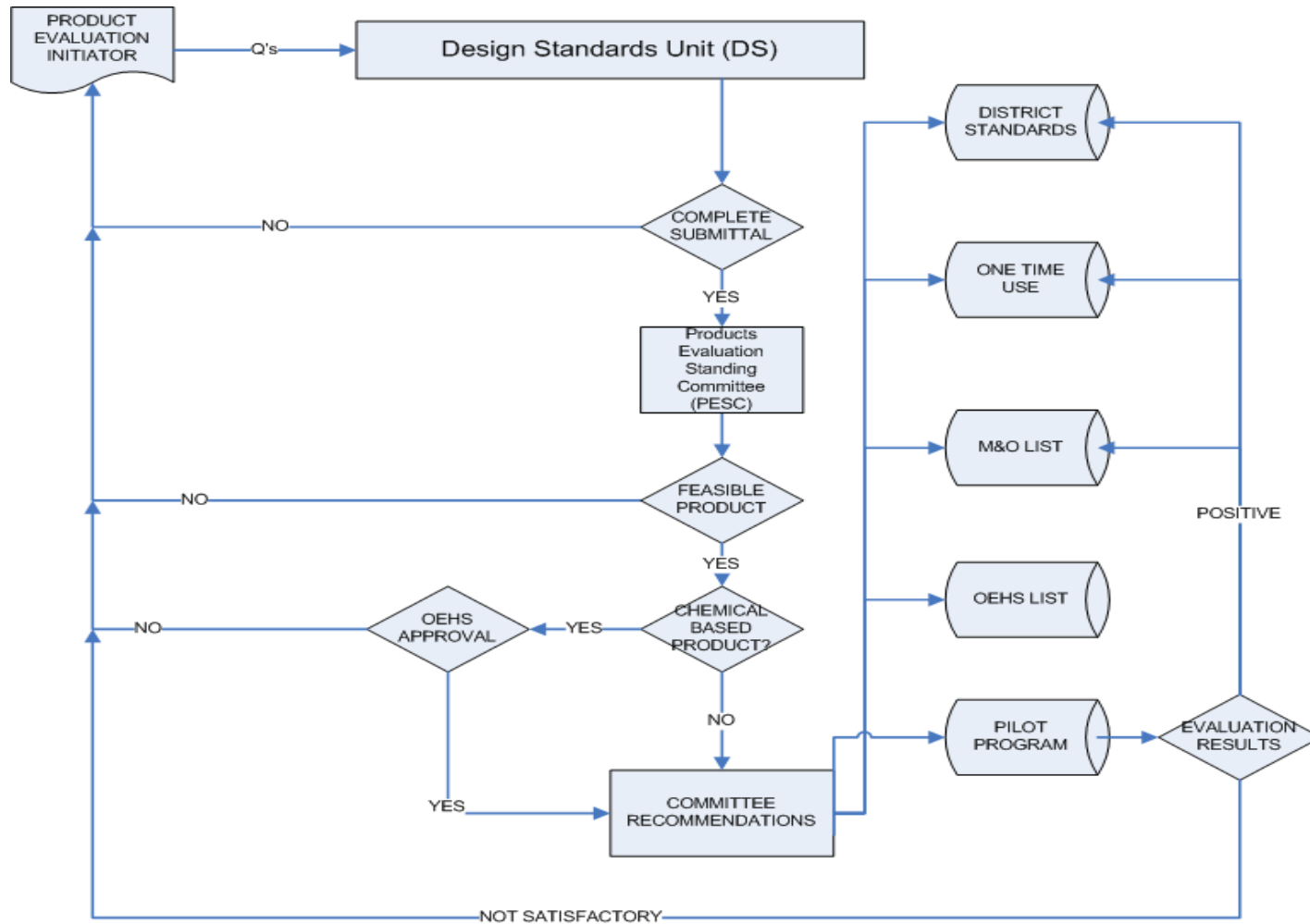


FSD Product Evaluation Process

- § Review product data submitted
- § Checking references
- § Test actual sample at M & O's central shop or a test pilot project may be conducted (Samples for these testing shall be provided by the manufacturers at no cost to the District)
- § If there are chemicals involved, OEHS will require MSDS sheets, prop. 65 letter and independent lab test results (For a pilot project, OEHS approval shall be acquired prior to installation)



EVALUATION PROCESS



Submittal Process

1. Download “Request for Product Evaluation” Form at www.laschools.org/design/product-evaluation
2. Complete all information on form
3. **EMAIL** Form and all supporting documents to design-standards@laschools.org



Information Required for Evaluation



Request for Product Evaluation

This form may be used to request Review and Acceptance of new products which may be used in District construction projects. For additional information see FAD.

Date: _____

Requester Information

Name: _____ Address: _____

Title: _____ City, State, Zip: _____

Email: _____ Phone: _____

Product Information*

Product Name: _____ CSI Specification Section: _____

Product Manufacturer: _____

Address: _____ Website: _____

*This information must be accompanied by the following information:

1. Product History <ul style="list-style-type: none"> How long has the product been in existence? List of projects utilizing this product in the past five (5) years. List minimum of three (3) references that have experience using the product in their facilities. Other pertinent information. 	2. Manufacturer History <ul style="list-style-type: none"> How long has the manufacturer been in business? Location of all facilities and which facilities would supply the product. Other pertinent information.
3. Product Data	4. Warranty
5. Advantages for LAUSD <ul style="list-style-type: none"> Initial Cost Savings/Life Cycle Cost Analysis Reduced Maintenance & Operations Vandal Resistance Other 	6. Sustainability <ul style="list-style-type: none"> Is the Product CHPS Compliant? Is the Product Green? Describe why it is qualified to be a Green Product?
7. Cost	8. Lead Time
9. Material Safety & Data Sheet (MSDS)	10. Additional Information

Submit Form and Scanned Supporting Documentation via Email to: cesionstandards@lausd.net

Not to be Used for Substitution Request or Request for Information



Information Required for Evaluation

Product History

- § How long has the product been in existence?
- § List of projects utilizing this product in past five (5) years
- § List minimum of three (3) references that have experience using the product in their facilities.
- § Other pertinent information.



Information Required for Evaluation

Manufacturer's History

- n How long has the manufacturer been in business?
- n Location of all facilities and which facilities would supply the product.
- n Other pertinent information.
 - n Company's financial stability.
 - n Technical support.



Information Required for Evaluation

Considerations

- n Initial Cost Savings/Life Cycle Cost Analysis
- n Reduced Maintenance & Operations costs
- n Vandal Resistance
- n Is it a good use of tax payers dollars
- n Availability
- n Liability
- n Performance characteristics
- n Safety



Information Required for Evaluation

Sustainability

- n LAUSD Goals:
 - n Reduce energy consumption by 10% by 2012.
 - n Reduce use of potable water by 10% by 2012.
 - n Implement renewable energy systems.
- n We are interested in materials, products and systems that will aid in achieving set goals.
- n School Construction / Modernization:
 - n Schools that provide clean air, use natural light, and free of toxic materials and chemicals.
 - n Energy efficient è Exceed Title 24 by 20% or more to lower utility costs and help with depleting operational budgets.



Information Required for Evaluation

What are the considerations for green products?

- § LAUSD has adopted CHPS.
- § The products that are approved by CHPS and posted on their website will be considered by LAUSD if they meet the Districts' performance criteria.
- § Improves efficiency and saves energy
- § Low VOC
- § Recycled content
- § Local
- § Greenest product = least amount of maintenance and would not require replacement



Information Required for Evaluation

- n **Warranty**
- n **Cost**
- n **Lead Time**
- n **Materials Safety and Data Sheets (MSDS)**
- n **Point by Point Comparison with LAUSD Standards**



FSD Evaluation Timeline

How long does it take to get a product evaluated?

- § There is not a set period to evaluate a product.
- § Products that contain chemicals, will require OEHS's review and if they are in the middle of an emergency operation, it may take longer than usual.
- § An actual pilot project may take at least a year before making a final evaluation of the product.



Chemical Product Evaluation

- n Conducted by the Office of Environmental Health and Safety (OEHS)**
- n Assess physical and toxicological hazards in relation to potential exposures to the user and other occupants (students)**
- n Required for all chemical products prior to purchase or use at District sites**
- n Required for all donated materials**



Chemical Evaluation Process

- 1. Contractor/Vendor submits product to LAUSD**
- 2. Only a LAUSD Representative can submit the formal request for chemical evaluation to OEHS**
- 3. OEHS responds to the requestor with findings**
- 4. Evaluation status is posted on-line**

<http://www.lausd-oehs.org/productreview.asp>



Chemical Evaluation Process

Submittal Requirements

- n Material Safety Data Sheet (MSDS)
- n Disclosure of proprietary or trade secret ingredients
- n Disclosure of California Proposition 65 ingredients
- n Product label (Optional)



Chemical Evaluation Process

Considerations

- n Intended user
- n Application method
- n Location of application
- n Physical characteristics
- n Toxicological information
- n Required personal protection equipment
- n Discharge/clean-up requirements
- n Maintenance



Additional Requirements

Artificial Turf & Playground Surfacing Material

- n Must provide independent lead testing results for total lead content for each layer and color.
- n No composite testing allowed.
- n Cannot exceed 40 ppm of lead per component.



Additional Requirements

Pesticides

- n Can only be applied by LAUSD Pest Control Technicians
- n Must be approved by OEHS and the Integrated Pest Management Committee
- n Strict posting and notification requirements



Approved Product Restrictions

n User

- n For contractor use only,
- n Not for student use

n Times of application

- n During non-school hours
- n Only at unoccupied sites

n Location

- n Outdoor vs Indoor



OEHS Webpage

OEHS
OFFICE OF ENVIRONMENTAL HEALTH & SAFETY

OEHS Home

► **About OEHS**

- Vision and Mission
- Staff Responsiveness Standards
- Key OEHS Programs
- Program and Staff Recognitions
- Frequently Asked Questions
- Contact

► **OEHS Programs**

- Accident Prevention
- Chemical Hygiene (CSCs)
- Emergency Services
- Environmental Assessment
- Environmental Compliance
- Facility Inspections
- Industrial Hygiene >
- Traffic & Pedestrian Safety
- Waste Recycling Programs

► **Site Highlights**

- Safe School Plans >
- Injury & Illness Prevention
- Inspection Results (view CANs)
- Lead in Drinking Water >
- **Product Review**
- Pedestrian Routes to School
- Resources/Documents/Links >

► **Questions & Complaints**

OEHS Chemical Evaluation Program

[<< OEHS Product Review](#)

Search by Product Name:

Type in the product name and click 'Search Products'.

You can also review the [list of all products](#).

Search by Product Class:

Type in the product class and click 'Search Classes'.

You can also review the [list of all classes](#).

Search by Manufacturer:

Type in the name of the Manufacturer and click 'Search Manufacturers'.

You can also review the [list of all manufacturers](#).

**** Note: This information was last updated on Friday, October 07, 2011.**



Evaluation Status



OFFICE OF ENVIRONMENTAL HEALTH & SAFETY

OEHS Chemical Evaluation Program

OEHS Home

About OEHS

Vision and Mission
 Staff Responsiveness Standards
 Key OEHS Programs
 Program and Staff Recognitions
 Frequently Asked Questions
 Contact

OEHS Programs

Accident Prevention
 Chemical Hygiene (CSCs)
 Emergency Services
 Environmental Assessment
 Environmental Compliance
 Facility Inspections
 Industrial Hygiene >
 Traffic & Pedestrian Safety
 Waste Recycling Programs

Site Highlights

275 product(s) matched your request. [Return to Product Search.](#)

Product Name	Manufacturer	Class	Evaluation	Remarks
1100-Clear	W.R Meadows	Adhesive Products	APPROVED Approved - Contractors/Unoccupied Sites	For contractor use only, in new construction or at UNOCCUPIED SITES ONLY. Do not use this product if District personnel are present in the work area.
1-Part Pourable Sealer	CHEM LINK INC.	Adhesive Products	APPROVED Approved - All Users/All Sites	Wear nitrile/neoprene gloves and chemical splash goggles during use. Use local exhaust when pouring or applying this product in areas with poor ventilation. Do not use this product in areas where school staff or students are present. A District-approved eyewash station must be readily available during the use of this product. Follow manufacturer's instructions.
2071 TUFF LOK X-LINK WOOD FLOORING ADHESIVE	W. F. TAYLOR CO., INC.	Adhesive Products	DISAPPROVED	THIS PRODUCT CONTAINS CARCINOGENS LISTED ON PROPOSITION 65 (FORMALDEHYDE AND ACRYLONITRILE).



THANK YOU



Los Angeles Unified School District
FACILITIES SERVICES DIVISION
Together We Are Changing the Face of L.A.

