

Materials System

- Written procedures, adherence verification
- Quarantine provisions
- Sampling, testing or examination, re-testing, re-exam
- Identification and acceptance / rejection

Materials System

- Storage controls - including validation of handling
- Finished product distribution, return, salvage - including lot documentation -

Facilities & Equipment System

Facilities

- Layout / design, engineering
 - Separation of operations
 - Air handling
 - Lighting water / sewage
 - Cleaning / sanitation, maintenance, pest control
- Renovation, revitalization
- Non-process utilities (waters, gases, HVAC)

Packaging & Labeling System

- Pre-operational preparations
 - Label characteristics (cut, size, color, TEP)
 - Label storage, proofing
 - Identification of equipment, line separation
- Pack / label - Definition -
 - Pack /label record
 - Label specimen

Packaging & Labeling System


- Pack / label Operations control
 - Validation
 - Label issue, exam, reconciliation, destruction (w/lot numbers)
 - Expiration dating (print control)
 - Examination of finished product
- Line clearance, inspection, documentation

Laboratory Controls System


- Staffing & Equipment
 - Adequate numbers of staff
 - Calibration program
 - System suitability
- Specs., standards, sampling plans, change control
- Methods, reference standards, change control, OOS SOP

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Preapproval Inspections


Overview of the Pre-Approval Inspection (PAI) Process



Alicia M. Mozzachio, Consumer Safety Officer
International Compliance Team (ICT)
Division of Manufacturing & Product Quality
Office of Compliance
Center for Drug Evaluation & Research (CDER)




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Agenda

- Overview of the Pre-Approval Inspection (PAI) Program
- Roles of reviewers, field offices and CDER's Office of Compliance
- Past, Present and Future PAI Inspection Strategies



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PAI Program Overview

- The Food, Drug and Cosmetic (FD&C) Act provides that FDA may approve a New Drug Application (NDA) or an Abbreviated New Drug Application (ANDA) only if the method used in, and the facilities and controls used for, the manufacture, processing, packaging, and testing of the drug are found adequate to ensure and preserve its identity, strength, quality and purity.

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Objectives of Pre-Approval Inspection Program


- Assure applications are not approved if the applicant has not demonstrated ability to operate with integrity and in compliance with current GMPs
- Assure adherence to application commitments (facilities, equipment and controls)
- Assure the authenticity and accuracy of data submitted in applications

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CDER Reviewer's Role

- Reviews data submitted in application
- Assists in establishing specifications for manufacture and control based on submitted data




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District's Role

- Conducts inspections of manufacturing sites referenced in applications to
 - Assure CGMP compliance
 - Verify authenticity/accuracy of data in applications
 - Report other data which may impact approval of applications




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Office of Compliance's Role



- Serves as liaison between field offices and review offices
 - Receives and processes inspection requests
 - Monitors status of inspections
 - Reviews reports/recommendations
 - Forwards final recommendations to review offices

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New and Generic Drug Manufacturing Team HFD-323

- Serves as liaison between CDER review divisions and ORA field offices
- Conducts CGMP evaluations of domestic establishments listed in applications
- Issues assignments and monitors inspections
- Monitors PDUFA timeframes and generic goal dates


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International Compliance Team HFD-325

- Serves as compliance branch for overseas inspections of human drug product and API manufacturers
- Reviews inspection reports and conducts CGMP evaluations of foreign establishments listed in applications
- Initiates regulatory actions in the foreign arena
- Assists in developing cooperation agreements with foreign governments


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Pre-Approval Inspection Strategies




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Pre-Approval Inspection Strategy- Past

- Were assigned in every instance for:
 - Narrow therapeutic drugs
 - New chemical entities
 - Generic version of top 200 drugs
 - CGMP status is greater than 2 years
 - First application for applicant holder
 - First generic version
 - HQ review finds discrepancies that warrant inspection

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Pre-Approval Inspection Strategy - Present

- PAI program changes effective September 2003
 - Eliminated mandatory inspection categories for
 - Generic versions of the top 200 prescription drugs
 - Narrow therapeutic drugs

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Pre-Approval Inspection Strategy
- Present

- PAI program changes (continued)
 - Divides inspection requests into 2 categories:
 - "Regularly Prompt a Request from CDER"
 - "Potential Inspection Categories for District Decision"


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Pre-Approval Inspection Strategy
- Present

- Regularly Prompt a Request from CDER:
 - New molecular entities (includes drug product/API)
 - Priority NDAs
 - First application filed by an applicant
 - For cause inspection

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Pre-Approval Inspection Strategy
- Present

- Regularly Prompt a Request from CDER:
 - For original applications, if current CGMP status is unacceptable or greater than 2 years
 - Certain pre-approval supplements (site change or major construction) if CGMP status is unacceptable
 - Treatment Investigational New Drugs (INDs)
 - Clinical supplies manufacturer if warranted to protect patients or public health

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Pre-Approval Inspection Strategy
- Present

- Potential Inspection Categories for District Decision
 - Other standard NDAs and supplements beyond those assigned by CDER
 - Inspectional audits above and beyond those which are specifically assigned by headquarters


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Pre-Approval Inspection Strategy
- Present

- Reasons for changes:
 - Provide FDA field offices with greater flexibility in determining if a PAI is necessary, based on most current knowledge and CGMP status of an establishment
 - Encourage more field involvement with selection of firms and applications for inspection
 - Leverage our inspectional resources, where practical, for post approval and/or CGMP coverage


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Pre-Approval Inspection Strategy - Present


- Decrease of PAI's allows resources to be used for
 - Systematic CGMP inspections
 - Examination of post approval experiences (change control, filed supplements etc) as well as other district priorities

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 Pre-Approval Inspection Strategy
- Future

- Reflect recommendations of Agency's CGMPs for the 21st Century Initiative
- Enhance communications between CDER review divisions, CDER Office of Compliance, and ORA District Offices on application specific issues
- Address the roles of the Pharmaceutical Inspectorate and center specialists on inspections
- Incorporating risk-based concepts in inspections and sample collections


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 Pre-Approval Inspection Strategy
- Future

- Other changes under consideration:
 - Customize scope and depth of pre-approval inspection based on the specific circumstances or reasons for PAI
 - Clarify roles and responsibilities of CDER and ORA in the drug approval process




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 Summary

- PAI program has evolved to meet 21st century needs
- Latest revisions should help reduce the number of pre-approval inspections
- Additional changes planned to incorporate more risk-based approaches to the assignment and conduct of pre-approval inspections

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Preapproval Inspections

 References/Acknowledgements

- Title 21 Code of Federal Regulations
210/211
- Pre-Approval Inspections – C.P. 7346.832
- Edwin Rivera Martinez, Chief,
Investigations and Pre-Approval Compliance
Branch
- Sharon Thoma, National Expert,
Division of Field Investigations

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CDER's Risk-Based Site Selection Model for cGMP Inspections

2007 PDA/FDA JOINT REGULATORY CONFERENCE

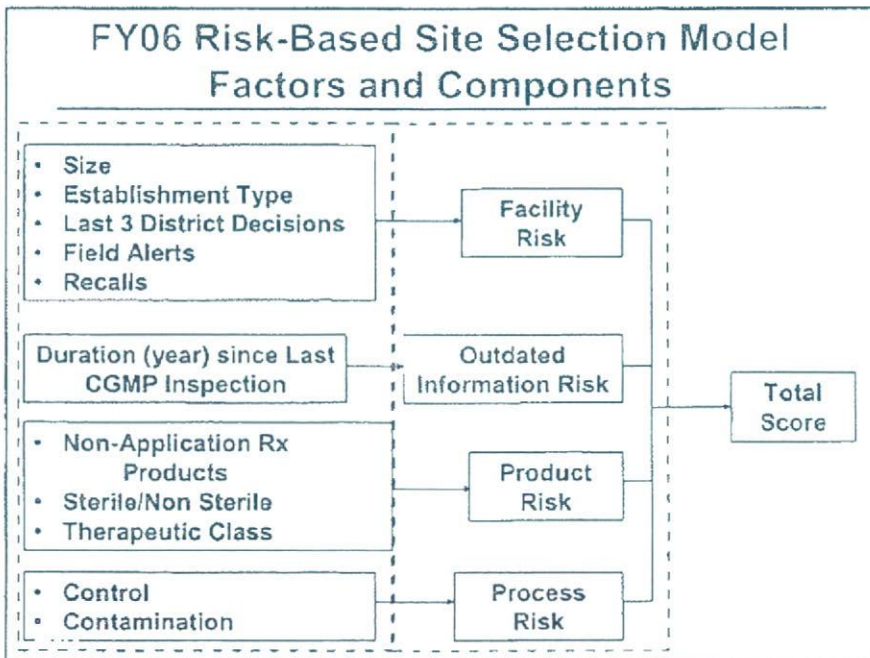
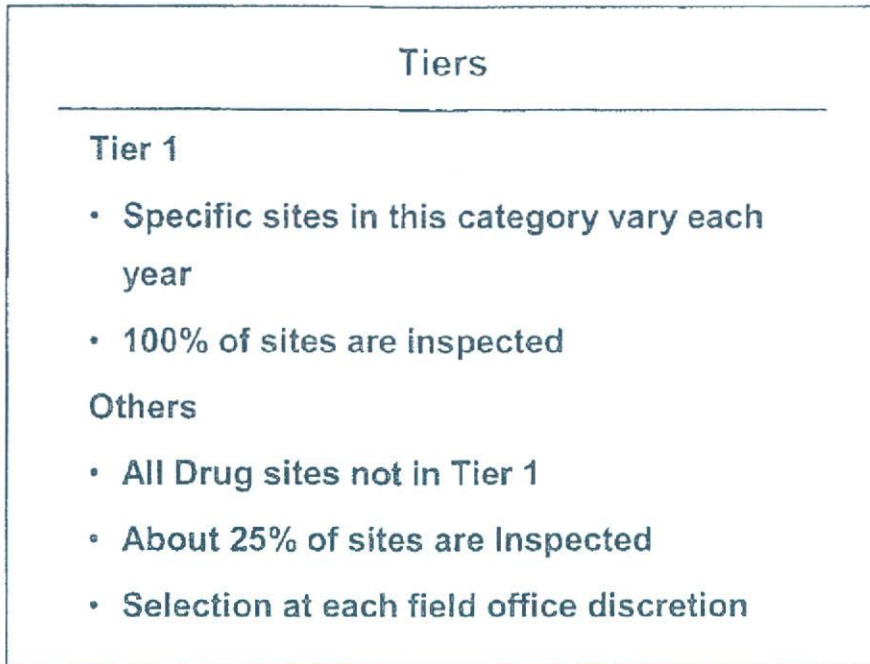
September 25, 2007

Sawye Brenda Wang, IE
Team Leader, DCRMS
Office of Compliance
Center for Drug Evaluation and Research



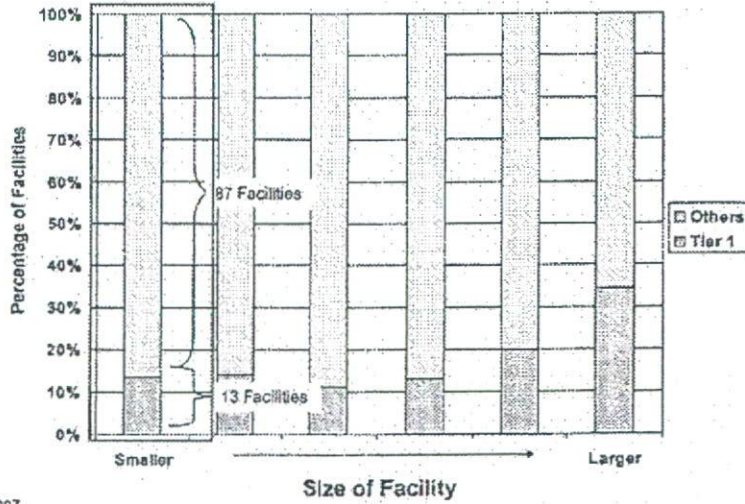
Risk-Based Site Selection Model History

- **The Risk-Based Model Working Group Formed in 2003.**
- **Implemented a nationally consistent approach to surveillance evaluation of factory operations by inspection for FY2005.**
- **Continue to Refine the Models for FY2006 and FY2007.**



FY 2007 Sites Distribution

Facility - by Size



* FY2007

